
PHASE 1 REPORT

WILLOWGARTH SCHOOL, GRIMETHORPE

FOR

CHRIS CARR ASSOCIATES

33613-001

APRIL 2011

PHASE 1 REPORT

WILLOWGARTH SCHOOL, GRIMETHORPE

FOR

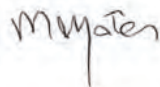
CHRIS CARR ASSOCIATES

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Approved :

A handwritten signature in black ink, appearing to read 'M J Yates', is written over a light blue rectangular stamp.

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Appendix 1 'Site Features Plan', drawing number 33613/001, Rev A

**Appendix 2 Landmark Envirocheck Report
Coal Authority Mining Report**

1.0 EXECUTIVE SUMMARY

1. The site is located to the east of Brierley Road and consists of the Willowgarth School site to the north of Grimethorpe. It comprises an area of approximately 12 hectares. It is centred on National Grid Reference SK 412 102. The area to be considered for development is the area currently occupied by the existing school buildings. The playing fields to the north are to remain undeveloped but will be reviewed as part of this desk study.
2. Historical maps indicate that the school buildings including several extensions have been the only buildings on the site. The boundaries are marked by a metal fence. The current school buildings have been constructed on several different levels. There have also been previous groundworks to create level areas for roads, car parks and playgrounds.
3. Generally the ground conditions are anticipated to comprise topsoil over sand and sandstone of the Brierley Rock except in the north western corner where clay over mudstone is likely.
3. No radon or gas protection measures are expected to be required in proposed properties at this site.
4. The most suitable foundations will be generally unreinforced strip footings founded a minimum depth of 750 mm into the natural ground probably using a safe bearing pressure of 150 kN/m².
5. At this stage it should be assumed that a ground bearing floor slab will be suitable except in areas where the ground level needs to be increased.
6. Significant contamination is not expected on the site. Chemical testing should be undertaken to check the level of contaminants present.
7. It is anticipated that a design sulphate Class of DS-1 and ACEC Class of AC-1 will be assigned to the ground at the site.
8. It is possible that the topsoil may be suitable for re-use subject to chemical testing and the approval of the regulators.
9. The above conclusions must be agreed with the regulators before work begins on site.

2.0 INTRODUCTION

This report presents the findings of a Phase 1 carried out by Eastwood & Partners (Consulting Engineers) Ltd for, and on the instructions of, Chris Carr Associates. It is based on information gained within the Envirocheck Report, Coal Authority Report and a site walkover.

The area to be considered for development is the area currently occupied by the existing school buildings. The playing fields to the north are to remain undeveloped but will be reviewed as part of this desk study. The recommendations are based on the proposal that the site will be developed with residential properties with associated gardens and infrastructure. It is assumed that ground levels will remain similar to those at present.

All information, comments and opinions given in this report are based on the information gained from the Envirocheck Report, Coal Authority Report and site walkover. However, there may be conditions at the site, which have not been taken into account such as unpredictable soil strata and water conditions. It should be noted that groundwater levels vary due to seasonal or other affects.

This report was prepared for the sole and exclusive use of Chris Carr Associates in response to particular instructions. Any other parties using the information contained in this report, unless given prior written approval to do so, do so at their own risk, and any duty of care to those parties is excluded.

3.0 THE SITE

3.1 Description

The site comprises an existing school site with several school buildings, large playing fields in the north and a smaller grassed area in the south. It is located to the west of Brierley Road, Grimethorpe, approximately 6 km east of Barnsley. The site has an area of approximately 12 hectares, and is centred on National Grid Reference SK 412 102 (441230, 410260).

The site is bordered by fields to the north, woodland to the east, residential properties to the south and Brierley Road with fields beyond to the west. The majority of the site boundary is marked with a green metal fence, especially around the main school buildings.

The current school buildings have been constructed on several different levels. There have also been previous groundworks to create level areas for roads, car parks and playgrounds.

3.2 History

Historical Ordnance Survey maps have been obtained in order to assess the previous land usage at and within the vicinity of the site. Copies of these are enclosed in the Appendix.

3.2.1 The Site

The earliest map reviewed, dated 1854, shows the site to comprise four fields and part of a fifth field. By 1894, the central field has changed usage to allotment gardens. There is no change until 1962 when Brierley Grimethorpe County Secondary School has been constructed in the centre of the site. A new track is shown to cross the site to the east of the school. The field to the north has undergone earthworks to create a level playing field. The school is extended to present day with buildings added to the west of the main building and the name changed to Willowgarth High School in 1981.

3.2.2 The Surrounding Area

The first map of 1854 shows the surrounding area to be predominantly agricultural. There are several minor sandstone quarries including Windmill Hill Quarry immediately west of the site. Brierley town is 750m north of the site and Grimethorpe village is 1 km south of the site with Grimethorpe Lane between meandering along the western boundary of the site. There is little change except an isolation hospital constructed 1km north west of the site in 1907 until 1933 when the map shows residential development in Brierley and Grimethorpe.

Brierley Colliery has also been constructed 300m north of the site with associated tramway to the south west. A sewerage works has also been constructed 100m north east of the site.

Additional residential housing is developed around Brierley and Grimethorpe and in particular along Brierley Road to the south of the site, this concludes with housing immediately south of the site by 1955. By 1966 Brierley Colliery is shown as disused and the tramway has been dismantled. Allotment Gardens are indicated immediately south east of the site and there are residential properties northwest of the site.

By 1981 the sewerage works and hospital have been demolished, and the railway has been dismantled. There are further residential properties constructed immediately south west of the site. There are no significant changes to present day.

3.3 Geology

The Geological Map sheet 263 SW (1:10,560 scale) shows the solid geology beneath the site to be the Brierley Rock, a light coloured soft sandstone and general mudstones of the Carboniferous Middle Coal Measures. There are two faults which intersect the site, these cross the north western part of the site with one running north east to south west and the other fault at right angles to the first running north west from the first. Down throw on the faults are to the south east and south west respectively. Beyond the fault in the north western corner of the site the bedrock is indicated to be mudstone.

Within a slope on the southern edge of the playing fields, sand was noted to be present.

The shallowest significant coal seam underlying the site is the Brierley Coal at approximately 15m depth.

3.4 Hydrogeology

3.4.1 Groundwater Vulnerability

The 1:10,000 Groundwater Vulnerability Map for the area, Sheet 12 'Vale of York', indicates the site to lie on a minor aquifer of high permeability. From the Environment Agency: Groundwater Protection Policy this relates to a Secondary A aquifer.

3.4.2 Groundwater Abstractions

The Envirocheck report indicates there are no water abstractions within 500km of the site boundary.

3.5 Hydrology

Within the Envirocheck Report the nearest surface water is recorded as a small concrete pond adjacent to the school reception. This is not a significant water feature. The nearest natural water feature is 125 m to the east of the site and is the Adley Bottoms stream.

Information within the Envirocheck report states that the site does not lie within 1 km of a Source Protection Zone.

3.6 Mining

Reference to the geological map indicates the shallowest coal seam to be the Brierley Coal which outcrops approximately 50m to the north east of the site and 100 m south west of the site. Taking into account the local topography it is anticipated to be approximately 15m below the site. Within the geological memoir the Brierley Coal is indicated to be a maximum thickness of 1.2m and is usually not worked. The next major coal seam is indicated to be the Shafton Coal. This is known for being of very good quality in this area and was likely to have been worked in the pit in Brierley. Due to faulting between the nearest outcrop of this seam and the site any calculations of the depth of this coal seam are unlikely to be accurate.

A Coal Authority report has been obtained and is enclosed in appendix 2. This states that the site is within the likely zone of influence on the surface from past underground workings in 5 seams between 160 m and 890 m last worked in 1990. The site is not within the likely zone of influence from any present or future underground coal workings or opencast workings. There are no recorded mine entries within the site or within 20m of the site boundary.

3.7 Ground Gas

Information contained within the Envirocheck Report indicates that there are no landfill sites within 1 km of the site's boundary. Although there is a former sandstone quarry adjoining the southern boundary of the site, there is no evidence for significant amounts of backfill.

Information provided within the Envirocheck Report states that no radon precautions will be required for residential development on this site.

3.8 Pollution Incidents

The Envirocheck report indicates no pollution incidents within 500 m of the site. The closest pollution incident relates to a minor incident in 1998 of cattle land run off entering a freshwater stream / river approximately 790m south of the site.

3.9 Discharge Consents

The Envirocheck report identifies no discharge consents within 500m of the site. The closest is Yorkshire Water Services Ltd discharging into a freshwater stream 975 m to the south west of the site.

3.10 Flooding

Information provided by the Envirocheck report shows that the site does not lie within a flood plain.

4.0 EXPECTED GROUND CONDITIONS

4.1 Surface Covering

The site has a hard covering in the area of the school buildings and with grass over topsoil in the playing fields.

4.2 Natural Ground

Over the majority of the site the natural ground is anticipated to comprise firm becoming cobbly with depth sandy clay, underlain by strong sandstone at relatively shallow depths. In the north western corner of the site the natural ground may comprise clay over mudstone.

4.3 Groundwater

Groundwater is not anticipated to occur at shallow depths in the majority of the site.

5.0 GEOTECHNICAL APPRAISAL

5.1 Groundworks

The current site levels should be considered during the design process of the proposed development. Currently the school buildings are constructed on several different levels and there have also been previous groundworks to create level areas for roads, car parks and playgrounds.

5.2 Mining

It is unlikely that the shallowest coal seam, the Brierley Coal at approximately 15m below the site and a thickness of up to 1.2m, below the site has been worked due to it being considered an inferior coal. The shallowest worked seam is likely to be the Shafton Coal seam at a depth of 195m below the site and a thickness of 1.4m. Due to its depth, no precautions due to shallow mining are anticipated on the site.

5.3 Foundations

It is anticipated that hardstanding over sand and sandstone will be present on site except within the north western corner of the site, below the current playing field, where clay over mudstone is likely. An allowable bearing pressure of 150 kN/m² can be assumed at this stage for foundation design within the sand. Generally the most suitable foundations will be unreinforced strip or trench fill footings taken down onto the dense sand or sandstone.

5.4 Ground Slabs

At this stage it may be assumed that a ground bearing floor will be suitable except where more than 600mm of filling is required below the floor.

5.5 Superstructure Precautions

No additional precautions are required for the superstructure on site.

5.6 Road works

A CBR value of at least 2% may be appropriate for road design. The ground should be assumed to be frost susceptible.

5.7 Excavation Problems

Excavation is expected to be relatively easy within the sand and become more difficult within trenches into the sandstone bedrock. The excavations should be stable within the natural ground on site. Support will however be required in accordance with current Health & Safety Regulations wherever access is required to trenches deeper than 1.2 m or less where there is risk of collapse.

5.8 Obstructions

Significant obstructions are not expected on the site.

5.9 Surface Water Drainage

It is anticipated that the sandy clay and underlying sandstone may be suitable for soakaways. If the use of soakaways is being considered tests should be carried out to check the permeability of the ground.

5.10 Gas Precautions

No gas precautions are expected to be required for proposed properties at the site.

5.11 Sulphate Attack of Buried Concrete

It is anticipated that minimal sulphate precautions may be required on site. Chemical testing will be required to determine the actual sulphate levels. A design sulphate Class of DS 1, ACEC -1 should be allowed for.

6.0 ANTICIPATED GROUND CONDITIONS

6.1 Source Characterisation

The site is around 12 hectares in size and is currently school buildings with playing fields.

Historical maps indicate that the school buildings including several extensions have been the only buildings on the site.

No radon precautions are required.

There is no reason to suspect that the natural materials recorded on site will contain any specific contaminants although they may contain naturally elevated concentrations of common contaminants such as arsenic and sulphates due to the presence of pyrite. Polycyclic Aromatic Hydrocarbons (PAHs), such as benzo(a)pyrene, may also be elevated due to the atmospheric fallout of these derived from the combustion of fossil fuels.

6.2 Possible Pollutant Linkages

The following table details the possible sources and associated contaminants of concern, pathways and receptors, which are potentially present on site.

Potential Pollutant Linkages

Source	Pathway	Target
Elevated levels of metals and PAHs in any made ground present on site.	Ingestion, inhalation, direct contact	Site workers, future residents and visitors
	Migration through ground	Secondary A aquifer
Naturally elevated levels of metals and PAHs in the natural ground.	Ingestion, inhalation, direct contact	Site workers, future residents and visitors
	Migration through ground	Secondary A aquifer

6.3 Probable Contamination Precautions

At this stage it is not known what precautions will be required against contamination. However, it seems probable that no gas precautions or capping layer will be required.

7.0 RATIONALE FOR FURTHER INVESTIGATION

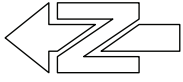
If the site is to be developed, an intrusive investigation will be required to examine the ground conditions. We recommend the intrusive investigation be carried out via trial pits using a mechanical excavator.

Significant contamination is not expected on site, however, chemical testing should be undertaken to check the level of contaminants on site. The potential pollutant linkages presented in the Contaminant Appraisal will need to be investigated by means of soil analysis.

Appendix 1

'Site Features Plan' drawing number 33613/001, Revision A

Information within this drawing is not necessarily produced to scale.
Always use figured dimensions and co-ordinates – if in doubt, ask.



KEY

- Approximate site boundary
- █ Existing buildings



A	First Issue.				
REV	DESCRIPTION	SIG	CHK	DATE	

CHRIS CARR & ASSOCIATES

WILLOWGARTH SCHOOL, BRIERLEY ROAD, BARNESLEY

SITE FEATURES PLAN

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SCALE WHEN PLOTTED AT A3
1:2000
DRAWING STATUS

INFORMATION

DRAWN	CHECKED	DATE	DRAWING NUMBER	REV
GB	KLK	06-04-11	33613/001	A

Appendix 2

Landmark Envirocheck Report

Coal Authority Mining Report

Envirocheck[®] Report:

Datasheet

Order Details:

Order Number:

34193696_1_1

Customer Reference:

33613/AS/KLG/MJY

National Grid Reference:

441230, 410260

Slice:

A

Site Area (Ha):

12.23

Search Buffer (m):

1000

Site Details:

Willowgarth High School, Brierley Road

Grimethorpe

BARNSELY

South Yorkshire

S72 7AJ

Client Details:

Miss A Seymour

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23 Kingfield Road

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Report Section	Page Number
Summary	-
Agency & Hydrological	1
Waste	4
Hazardous Substances	-
Geological	5
Industrial Land Use	8
Sensitive Land Use	10
Data Currency	11
Data Suppliers	15
Useful Contacts	16

Introduction

The Environment Act 1995 has made site sensitivity a key issue, as the legislation pays as much attention to the pathways by which contamination could spread, and to the vulnerable targets of contamination, as it does the potential sources of contamination. For this reason, Landmark's Site Sensitivity maps and Datasheet(s) place great emphasis on statutory data provided by the Environment Agency and the Scottish Environment Protection Agency; it also incorporates data from Natural England (and the Scottish and Welsh equivalents) and Local Authorities; and highlights hydrogeological features required by environmental and geotechnical consultants. It does not include any information concerning past uses of land. The datasheet is produced by querying the Landmark database to a distance defined by the client from a site boundary provided by the client.

In the attached datasheet the National Grid References (NGRs) are rounded to the nearest 10m in accordance with Landmark's agreements with a number of Data Suppliers.

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Radon Potential dataset Copyright Notice

Information supplied from a joint dataset compiled by The British Geological Survey and the Health Protection Agency.

Report Version v47.0

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Agency & Hydrological					
Contaminated Land Register Entries and Notices					
Discharge Consents	pg 1				5
Enforcement and Prohibition Notices					
Integrated Pollution Controls					
Integrated Pollution Prevention And Control					
Local Authority Integrated Pollution Prevention And Control					
Local Authority Pollution Prevention and Controls					
Local Authority Pollution Prevention and Control Enforcements					
Nearest Surface Water Feature	pg 2	Yes			
Pollution Incidents to Controlled Waters	pg 2				2
Prosecutions Relating to Authorised Processes					
Prosecutions Relating to Controlled Waters					
Registered Radioactive Substances					
River Quality	pg 2			1	
River Quality Biology Sampling Points					
River Quality Chemistry Sampling Points					
Substantiated Pollution Incident Register					
Water Abstractions	pg 2				1 (*1)
Water Industry Act Referrals					
Groundwater Vulnerability	pg 3	Yes	n/a	n/a	n/a
Bedrock Aquifer Designations	pg 3	Yes	n/a	n/a	n/a
Superficial Aquifer Designations			n/a	n/a	n/a
Source Protection Zones					
Extreme Flooding from Rivers or Sea without Defences				n/a	n/a
Flooding from Rivers or Sea without Defences				n/a	n/a
Areas Benefiting from Flood Defences				n/a	n/a
Flood Water Storage Areas				n/a	n/a
Flood Defences				n/a	n/a
Waste					
BGS Recorded Landfill Sites					
Historical Landfill Sites					
Integrated Pollution Control Registered Waste Sites					
Licensed Waste Management Facilities (Landfill Boundaries)					
Licensed Waste Management Facilities (Locations)					
Local Authority Recorded Landfill Sites					
Registered Landfill Sites					
Registered Waste Transfer Sites					
Registered Waste Treatment or Disposal Sites					

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Hazardous Substances					
Control of Major Accident Hazards Sites (COMAH)					
Explosive Sites					
Notification of Installations Handling Hazardous Substances (NIHHS)					
Planning Hazardous Substance Consents					
Planning Hazardous Substance Enforcements					
Geological					
BGS Recorded Mineral Sites	pg 5		1	2	5
BGS 1:625,000 Solid Geology	pg 6	Yes	n/a	n/a	n/a
Brine Compensation Area			n/a	n/a	n/a
Coal Mining Affected Areas	pg 6	Yes	n/a	n/a	n/a
Mining Instability	pg 6	Yes	n/a	n/a	n/a
Man-Made Mining Cavities					
Natural Cavities					
Non Coal Mining Areas of Great Britain	pg 6	Yes		n/a	n/a
Potential for Collapsible Ground Stability Hazards				n/a	n/a
Potential for Compressible Ground Stability Hazards	pg 6	Yes		n/a	n/a
Potential for Ground Dissolution Stability Hazards				n/a	n/a
Potential for Landslide Ground Stability Hazards	pg 6	Yes	Yes	n/a	n/a
Potential for Running Sand Ground Stability Hazards	pg 6	Yes		n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 7	Yes	Yes	n/a	n/a
Radon Potential - Radon Affected Areas			n/a	n/a	n/a
Radon Potential - Radon Protection Measures			n/a	n/a	n/a
Industrial Land Use					
Contemporary Trade Directory Entries	pg 8			3	8
Fuel Station Entries	pg 9				1

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Sensitive Land Use					
Areas of Adopted Green Belt	pg 10	1			
Areas of Unadopted Green Belt					
Areas of Outstanding Natural Beauty					
Environmentally Sensitive Areas					
Forest Parks					
Local Nature Reserves					
Marine Nature Reserves					
National Nature Reserves					
National Parks					
Nitrate Sensitive Areas					
Nitrate Vulnerable Zones	pg 10	1			
Ramsar Sites					
Sites of Special Scientific Interest					
Special Areas of Conservation					
Special Protection Areas					

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
1	<p>Discharge Consents</p> <p>Operator: Yorkshire Water Services Ltd Property Type: Sewage Disposal Works - Water Company Location: Grimethorpe Stw Engine Lane, Grimethorpe, Barnsley, South Yorkshire Authority: Environment Agency, North East Region Catchment Area: Don Tributaries Reference: 2246 Permit Version: 9 Effective Date: 2nd June 2003 Issued Date: 2nd June 2003 Revocation Date: 25th October 2004 Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Shafton Beck Status: Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m</p>	A7SW (SW)	975	1	440250 409630
1	<p>Discharge Consents</p> <p>Operator: Yorkshire Water Services Ltd Property Type: Sewage Disposal Works - Water Company Location: Grimethorpe Stw Engine Lane, Grimethorpe, Barnsley, South Yorkshire Authority: Environment Agency, North East Region Catchment Area: Don Tributaries Reference: 2246 Permit Version: 8 Effective Date: 28th March 2003 Issued Date: 28th March 2003 Revocation Date: 1st June 2003 Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Shafton Beck Status: Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m</p>	A7SW (SW)	975	1	440250 409630
1	<p>Discharge Consents</p> <p>Operator: Yorkshire Water Services Ltd Property Type: Sewage Disposal Works - Water Company Location: Grimethorpe Stw Engine Lane, Grimethorpe, Barnsley, South Yorkshire Authority: Environment Agency, North East Region Catchment Area: Don Tributaries Reference: 2246 Permit Version: 7 Effective Date: 24th July 2002 Issued Date: 24th July 2002 Revocation Date: 27th March 2003 Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Shafton Beck Status: Varied by Application - (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m</p>	A7SW (SW)	975	1	440250 409630
2	<p>Discharge Consents</p> <p>Operator: Yorkshire Water Services Ltd Property Type: Sewage Disposal Works - Water Company Location: Grimethorpe Stw Engine Lane, Grimethorpe, Barnsley, South Yorkshire Authority: Environment Agency, North East Region Catchment Area: Don Tributaries Reference: 2246 Permit Version: 5 Effective Date: 1st June 1992 Issued Date: 13th December 1989 Revocation Date: 23rd July 2002 Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Tributary Of The River Dearne Status: Transferred from Water Act 1989 Positional Accuracy: Located by supplier to within 10m</p>	A2NW (SW)	987	1	440260 409580

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
2	Discharge Consents Operator: Yorkshire Water Services Ltd Property Type: Sewage Disposal Works - Water Company Location: Grimethorpe Stw Engine Lane, Grimethorpe, Barnsley, South Yorkshire Authority: Environment Agency, North East Region Catchment Area: Don Tributaries Reference: 2246 Permit Version: 4 Effective Date: 13th December 1989 Issued Date: 13th December 1989 Revocation Date: 31st May 1992 Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Tributary Of The River Dearne Status: Transferred from Water Act 1989 Positional Accuracy: Located by supplier to within 10m	A2NW (SW)	987	1	440260 409580
	Nearest Surface Water Feature	A8NW (S)	0	-	441226 410218
3	Pollution Incidents to Controlled Waters Property Type: Mixed Agricultural Location: Brierley Road, GRIMETHORPE Authority: Environment Agency, North East Region Pollutant: Cattle Land Runoff Note: Grimethorpe Dike; No Fish Killed Incident Date: 4th March 1998 Incident Reference: SH980224 Catchment Area: Dearne Tributaries Receiving Water: Freshwater Stream/River Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A3SE (S)	790	1	441400 409250
4	Pollution Incidents to Controlled Waters Property Type: Miscellaneous Premises: Unknown Location: Edderthorpe Lane/Rail Viadct Dearne 11 Authority: Environment Agency, North East Region Pollutant: Oils - Hydraulic Note: Not Supplied Incident Date: 1st July 1993 Incident Reference: 145770 Catchment Area: Not Given Receiving Water: Freshwater Stream/River Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A7SW (SW)	900	1	440300 409700
	River Quality Name: Grimethorpe_Dike GQA Grade: Not Supplied Reach: Tom_Bank_Sewage_Work_Shafton_Bec Estimated Distance (km): 2.5 Flow Rate: Flow less than 0.31 cumecs Flow Type: River Year: 2000	A12NE (NW)	369	1	440790 410658
5	Water Abstractions Operator: Brierley Town Council Licence Number: 2/27/08/089 Permit Version: Not Supplied Location: Ornamental Fishing Lake, Addey Bottoms, GRIMETHORPE Authority: Environment Agency, North East Region Abstraction: Unclassified (Other) Abstraction Type: Not Supplied Source: Surface Daily Rate (m3): 0 Yearly Rate (m3): 0 Details: Not Supplied Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A3NE (S)	561	1	441500 409500

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: British Coal Licence Number: 2/27/08/012 Permit Version: Not Supplied Location: Location Description Not Available Authority: Environment Agency, North East Region Abstraction: General Industrial Abstraction Type: Not Supplied Source: Surface Daily Rate (m3): 3273 Yearly Rate (m3): 772820 Details: Licence Revoked Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	(S)	1778	1	440640 408320
	Groundwater Vulnerability Soil Classification: Soils of High Leaching Potential (U) - Soil information for restored mineral workings and urban areas is based on fewer observations than elsewhere. A worst case vulnerability classification (H) assumed, until proved otherwise Map Sheet: Sheet 12 Vale of York Scale: 1:100,000	A8NE (S)	0	1	441268 410049
	Groundwater Vulnerability Soil Classification: Soils of Low Leaching Potential - Soils in which pollutants are unlikely to penetrate the soil layer because water movement is largely horizontal or they have large ability to attenuate diffuse pollutants. Lateral flow from these soils contribute to groundwater recharge elsewhere in the catchment Map Sheet: Sheet 12 Vale of York Scale: 1:100,000	A8NE (SE)	0	1	441374 410161
	Groundwater Vulnerability Soil Classification: Soils of High Leaching Potential (H3)- Coarse textured or moderately shallow soils which readily transmit non-absorbed pollutants and liquid discharges but which have some ability to attenuate absorbed pollutants because of their large clay or organic matter contents Map Sheet: Sheet 12 Vale of York Scale: 1:100,000	A8NE (NW)	0	1	441230 410263
	Drift Deposits None				
	Bedrock Aquifer Designations Aquifer Desination: Secondary Aquifer - A	A8NE (NW)	0	2	441230 410263
	Superficial Aquifer Designations No Data Available				
	Extreme Flooding from Rivers or Sea without Defences None				
	Flooding from Rivers or Sea without Defences None				
	Areas Benefiting from Flood Defences None				
	Flood Water Storage Areas None				
	Flood Defences None				

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Local Authority Landfill Coverage Name: Barnsley Metropolitan Borough Council - Has supplied landfill data		0	9	441230 410263

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
6	BGS Recorded Mineral Sites Site Name: Windmill Hill Location: Grimethorpe, Barnsley, South Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 26013 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Dalton Rock Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A8NW (SW)	38	2	441053 410127
7	BGS Recorded Mineral Sites Site Name: Brierley Colliery Location: Brierley, Barnsley, South Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 26027 Type: Underground Status: Ceased Operator: Ncb Barnsley Area Operator Location: Grimethorpe, Barnsley, South Yorkshire, S72 7ab Periodic Type: Carboniferous Geology: Pennine Middle Coal Measures Formation Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A13NW (N)	362	2	441012 410844
8	BGS Recorded Mineral Sites Site Name: Tom Bank Wood Location: Brierley, Barnsley, South Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 26020 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Dalton Rock Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A9SW (SE)	417	2	441724 409870
9	BGS Recorded Mineral Sites Site Name: Pudding Hill Location: Brierley, Barnsley, South Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 10192 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Dalton Rock Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A19SW (NE)	740	2	441775 411055
10	BGS Recorded Mineral Sites Site Name: Hall Steads Location: Grimethorpe, Barnsley, South Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 37822 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Dalton Rock Commodity: Mineral Positional Accuracy: Located by supplier to within 10m	A4NE (SE)	855	2	441954 409441
10	BGS Recorded Mineral Sites Site Name: Hall Steads Location: Grimethorpe, Barnsley, South Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 37823 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Dalton Rock Commodity: Mineral Positional Accuracy: Located by supplier to within 10m	A4NE (SE)	869	2	441975 409443

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
11	BGS Recorded Mineral Sites Site Name: Trickett Head Location: Brierley, Barnsley, South Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 26016 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Wickersley Rock Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A14NE (NE)	908	2	442241 410734
12	BGS Recorded Mineral Sites Site Name: Brierly Location: Brierley, Barnsley, South Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 26012 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Pennine Upper Coal Measures Formation Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A17SW (NW)	965	2	440299 410993
	BGS 1:625,000 Solid Geology Description: Upper Westphalian (including Pennant Measures)	A8NE (NW)	0	2	441230 410263
	Coal Mining Affected Areas Description: In an area which may be affected by coal mining activity. It is recommended that a coal mining report is obtained from the Coal Authority. Contact details are included in the Useful Contacts section of this report.	A8NE (NW)	0	3	441230 410263
	Mining Instability Mining Evidence: Inconclusive Coal Mining Source: Ove Arup & Partners Boundary Quality: As Supplied	A8NE (NW)	0	-	441230 410263
	Non Coal Mining Areas of Great Britain Risk: Occasional Source: British Geological Survey, National Geoscience Information Service	A8NE (NW)	0	2	441230 410263
	Potential for Collapsible Ground Stability Hazards No Hazard				
	Potential for Compressible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A8NE (NW)	0	2	441230 410263
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A8NE (E)	0	2	441350 410225
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A8NE (S)	26	2	441230 410000
	Potential for Ground Dissolution Stability Hazards No Hazard				
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A8NE (NW)	0	2	441230 410263
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A8NE (S)	26	2	441230 410000
	Potential for Landslide Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A8NE (E)	146	2	441500 410175
	Potential for Landslide Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A9NW (SE)	236	2	441575 410000
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A8NE (E)	0	2	441350 410225

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A8NE (NW)	0	2	441230 410263
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A8NE (S)	26	2	441230 410000
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A8NW (W)	0	2	441075 410263
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A8NE (SE)	0	2	441300 410100
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (N)	0	2	441275 410475
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A8NE (NW)	0	2	441230 410263
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A8NW (S)	26	2	441200 410000
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A8NE (S)	30	2	441230 410000
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A8NE (S)	76	2	441230 409950
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SW (N)	97	2	441225 410600
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A8SW (S)	156	2	441100 409875
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SW (W)	163	2	440900 410275
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NW (N)	174	2	441125 410675
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A12SE (W)	225	2	440850 410325
	Radon Potential - Radon Affected Areas Affected Area: The property is in a lower probability radon area, as less than 1% of homes are above the action level Source: British Geological Survey, National Geoscience Information Service	A8NE (NW)	0	2	441230 410263
	Radon Potential - Radon Protection Measures Protection Measure: No radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	A8NE (NW)	0	2	441230 410263

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
13	<p>Contemporary Trade Directory Entries</p> <p>Name: Thompsons Transport Location: Campo Vista, 153, Brierley Road, Grimethorpe, Barnsley, South Yorkshire, S72 7AE Classification: Road Haulage Services Status: Active Positional Accuracy: Automatically positioned to the address</p>	A8SW (SW)	303	-	440986 409765
14	<p>Contemporary Trade Directory Entries</p> <p>Name: Mobile Powerwashing Service Location: 19, Mount Road, Grimethorpe, Barnsley, South Yorkshire, S72 7HB Classification: Cleaning Services - Commercial Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A8SE (S)	311	-	441340 409727
15	<p>Contemporary Trade Directory Entries</p> <p>Name: Lilac Garage Location: Church Street, Brierley, Barnsley, South Yorkshire, S72 9JG Classification: Tyre Dealers Status: Active Positional Accuracy: Automatically positioned to the address</p>	A18SW (N)	458	-	441149 410958
16	<p>Contemporary Trade Directory Entries</p> <p>Name: Ability Location: 33, Lilydene Avenue, Grimethorpe, Barnsley, South Yorkshire, S72 7AA Classification: Commercial Cleaning Services Status: Active Positional Accuracy: Automatically positioned to the address</p>	A3NW (S)	521	-	441070 409509
17	<p>Contemporary Trade Directory Entries</p> <p>Name: Grimethorpe Filling Station & Convenience Store Location: Brierley Rd, Grimethorpe, Barnsley, South Yorkshire, S72 7EL Classification: Petrol Filling Stations Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location</p>	A3NW (S)	611	-	441220 409420
18	<p>Contemporary Trade Directory Entries</p> <p>Name: A Rydown Location: 16, Norwood Drive, Brierley, Barnsley, South Yorkshire, S72 9EG Classification: Carpet, Curtain & Upholstery Cleaners Status: Active Positional Accuracy: Automatically positioned to the address</p>	A18SE (N)	638	-	441377 411135
19	<p>Contemporary Trade Directory Entries</p> <p>Name: Brookfield Garage Location: 67, Brierley Road, Grimethorpe, Barnsley, South Yorkshire, S72 7EL Classification: Mot Testing Centres Status: Active Positional Accuracy: Automatically positioned to the address</p>	A3NE (S)	677	-	441236 409355
19	<p>Contemporary Trade Directory Entries</p> <p>Name: Oak Tree Service Station Location: 67, Brierley Road, Grimethorpe, Barnsley, South Yorkshire, S72 7EL Classification: Petrol Filling Stations Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A3NE (S)	677	-	441236 409355
20	<p>Contemporary Trade Directory Entries</p> <p>Name: Norwood Office Solutions Location: 43, Norwood Drive, Brierley, Barnsley, South Yorkshire, S72 9EG Classification: Office Furniture & Equipment Status: Active Positional Accuracy: Automatically positioned to the address</p>	A18NE (N)	866	-	441326 411371
21	<p>Contemporary Trade Directory Entries</p> <p>Name: Hartley Engineering Location: 43, Barnsley Road, Brierley, Barnsley, South Yorkshire, S72 9JT Classification: Garage Services Status: Active Positional Accuracy: Automatically positioned to the address</p>	A17SW (NW)	878	-	440515 411129
22	<p>Contemporary Trade Directory Entries</p> <p>Name: J J Electrical Location: 1, Mackey Crescent, Brierley, Barnsley, South Yorkshire, S72 9LB Classification: Electrical Engineers Status: Active Positional Accuracy: Automatically positioned to the address</p>	A17SW (NW)	908	-	440534 411187

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
23	Fuel Station Entries Name: Oaktree Service Station Location: Brierley Road, Grimethorpe,, BARNSLEY, South Yorkshire, S72 7EJ Brand: Obsolete Premises Type: Not Applicable Status: Obsolete Positional Accuracy: Located by supplier to within 100m	A3NW (S)	601	-	441223 409430

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
24	Areas of Adopted Green Belt Authority: Barnsley Metropolitan Borough Council, Planning Department Plan Name: Barnsley Unitary Development Plan Status: Adopted Plan Date: 31st December 2000	A8NE (NW)	0	4	441230 410263
25	Nitrate Vulnerable Zones Name: Not Supplied Description: NVZ Area Source: Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)	A8NE (NW)	0	8	441230 410263













Agency & Hydrological	Version	Update Cycle
Contaminated Land Register Entries and Notices Barnsley Metropolitan Borough Council - Environmental Health and Trading Standards Doncaster Metropolitan Borough Council - Environmental Services Wakefield City Metropolitan District Council - Environmental Health	August 2010 September 2010 September 2010	Annual Rolling Update Annual Rolling Update Annual Rolling Update
Discharge Consents Environment Agency - North East Region	January 2011	Quarterly
Enforcement and Prohibition Notices Environment Agency - North East Region	January 2011	Quarterly
Integrated Pollution Controls Environment Agency - North East Region	October 2008	Not Applicable
Integrated Pollution Prevention And Control Environment Agency - North East Region	January 2011	Quarterly
Local Authority Integrated Pollution Prevention And Control Wakefield City Metropolitan District Council - Environmental Health Barnsley Metropolitan Borough Council - Environmental Health and Trading Standards Doncaster Metropolitan Borough Council - Environmental Services	August 2010 January 2011 October 2010	Annual Rolling Update Annual Rolling Update Annual Rolling Update
Local Authority Pollution Prevention and Controls Wakefield City Metropolitan District Council - Environmental Health Barnsley Metropolitan Borough Council - Environmental Health and Trading Standards Doncaster Metropolitan Borough Council - Environmental Services	August 2010 January 2011 October 2010	Annual Rolling Update Annual Rolling Update Annual Rolling Update
Local Authority Pollution Prevention and Control Enforcements Wakefield City Metropolitan District Council - Environmental Health Barnsley Metropolitan Borough Council - Environmental Health and Trading Standards Doncaster Metropolitan Borough Council - Environmental Services	August 2010 January 2011 October 2010	Annual Rolling Update Annual Rolling Update Annual Rolling Update
Nearest Surface Water Feature Ordnance Survey	July 2010	Quarterly
Pollution Incidents to Controlled Waters Environment Agency - North East Region	December 1998	Not Applicable
Prosecutions Relating to Authorised Processes Environment Agency - North East Region	December 2011	Monthly
Prosecutions Relating to Controlled Waters Environment Agency - North East Region	January 2011	Monthly
Registered Radioactive Substances Environment Agency - North East Region	January 2011	Quarterly
River Quality Environment Agency - Head Office	November 2001	Not Applicable
River Quality Biology Sampling Points Environment Agency - Head Office	January 2011	Annually
River Quality Chemistry Sampling Points Environment Agency - Head Office	January 2011	Annually
Substantiated Pollution Incident Register Environment Agency - North East Region - Ridings Area Environment Agency - North East Region - Yorkshire Area	January 2011 January 2011	Quarterly Quarterly
Water Abstractions Environment Agency - North East Region	January 2011	Quarterly
Water Industry Act Referrals Environment Agency - North East Region	October 2010	Quarterly
Groundwater Vulnerability Environment Agency - Head Office	January 2011	Not Applicable
Drift Deposits Environment Agency - Head Office	January 1999	Not Applicable

Agency & Hydrological	Version	Update Cycle
Bedrock Aquifer Designations British Geological Survey - National Geoscience Information Service	October 2010	Annually
Superficial Aquifer Designations British Geological Survey - National Geoscience Information Service	October 2010	Annually
Source Protection Zones Environment Agency - Head Office	January 2011	Quarterly
Extreme Flooding from Rivers or Sea without Defences Environment Agency - Head Office	November 2010	Quarterly
Flooding from Rivers or Sea without Defences Environment Agency - Head Office	November 2010	Quarterly
Areas Benefiting from Flood Defences Environment Agency - Head Office	November 2010	Quarterly
Flood Water Storage Areas Environment Agency - Head Office	November 2010	Quarterly
Flood Defences Environment Agency - Head Office	November 2010	Quarterly
Waste	Version	Update Cycle
BGS Recorded Landfill Sites British Geological Survey - National Geoscience Information Service	June 1996	Not Applicable
Historical Landfill Sites Environment Agency - North East Region - Ridings Area Environment Agency - North East Region - Yorkshire Area	January 2011 January 2011	Quarterly Quarterly
Integrated Pollution Control Registered Waste Sites Environment Agency - North East Region	October 2008	Not Applicable
Licensed Waste Management Facilities (Landfill Boundaries) Environment Agency - North East Region - Ridings Area Environment Agency - North East Region - Yorkshire Area	January 2011 January 2011	Quarterly Quarterly
Licensed Waste Management Facilities (Locations) Environment Agency - North East Region - Ridings Area Environment Agency - North East Region - Yorkshire Area	October 2010 October 2010	Quarterly Quarterly
Local Authority Landfill Coverage Barnsley Metropolitan Borough Council - Environmental Health and Trading Standards Doncaster Metropolitan Borough Council - Environmental Services Wakefield City Metropolitan District Council - Environmental Health	May 2000 May 2000 May 2000	Not Applicable Not Applicable Not Applicable
Local Authority Recorded Landfill Sites Barnsley Metropolitan Borough Council - Environmental Health and Trading Standards Doncaster Metropolitan Borough Council - Environmental Services Wakefield City Metropolitan District Council - Environmental Health	May 2000 May 2000 May 2000	Not Applicable Not Applicable Not Applicable
Registered Landfill Sites Environment Agency - North East Region - Ridings Area	March 2003	Not Applicable
Registered Waste Transfer Sites Environment Agency - North East Region - Ridings Area	March 2003	Not Applicable
Registered Waste Treatment or Disposal Sites Environment Agency - North East Region - Ridings Area	March 2003	Not Applicable

Hazardous Substances	Version	Update Cycle
Control of Major Accident Hazards Sites (COMAH) Health and Safety Executive	May 2010	Bi-Annually
Explosive Sites Health and Safety Executive	July 2010	Bi-Annually
Notification of Installations Handling Hazardous Substances (NIHHS) Health and Safety Executive	November 2000	Not Applicable
Planning Hazardous Substance Enforcements Wakefield City Metropolitan District Council Doncaster Metropolitan Borough Council Barnsley Metropolitan Borough Council - Planning Department	April 2010 June 2010 November 2010	Annual Rolling Update Annual Rolling Update Annual Rolling Update
Planning Hazardous Substance Consents Wakefield City Metropolitan District Council Doncaster Metropolitan Borough Council Barnsley Metropolitan Borough Council - Planning Department	April 2010 June 2010 November 2010	Annual Rolling Update Annual Rolling Update Annual Rolling Update
Geological	Version	Update Cycle
BGS Recorded Mineral Sites British Geological Survey - National Geoscience Information Service	October 2010	Bi-Annually
BGS 1:625,000 Solid Geology British Geological Survey - National Geoscience Information Service	August 1996	Not Applicable
Brine Compensation Area Cheshire Brine Subsidence Compensation Board	November 2002	Not Applicable
Coal Mining Affected Areas The Coal Authority - Mining Report Service	January 2006	As notified
Mining Instability Ove Arup & Partners	October 2000	Not Applicable
Non Coal Mining Areas of Great Britain British Geological Survey - National Geoscience Information Service	February 2009	Not Applicable
Potential for Collapsible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2010	Annually
Potential for Compressible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2010	Annually
Potential for Ground Dissolution Stability Hazards British Geological Survey - National Geoscience Information Service	January 2010	Annually
Potential for Landslide Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2010	Annually
Potential for Running Sand Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2010	Annually
Potential for Shrinking or Swelling Clay Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2010	Annually
Radon Potential - Radon Affected Areas British Geological Survey - National Geoscience Information Service	May 2007	As notified
Radon Potential - Radon Protection Measures British Geological Survey - National Geoscience Information Service	May 2007	As notified
Industrial Land Use	Version	Update Cycle
Contemporary Trade Directory Entries Thomson Directories	February 2011	Quarterly
Fuel Station Entries Catalist Ltd - Experian	February 2011	Quarterly

Sensitive Land Use	Version	Update Cycle
Areas of Adopted Green Belt Barnsley Metropolitan Borough Council - Planning Department Doncaster Metropolitan Borough Council Wakefield City Metropolitan District Council	December 2010 December 2010 December 2010	As notified As notified As notified
Areas of Unadopted Green Belt Barnsley Metropolitan Borough Council - Planning Department Doncaster Metropolitan Borough Council Wakefield City Metropolitan District Council	December 2010 December 2010 December 2010	As notified As notified As notified
Areas of Outstanding Natural Beauty Natural England	July 2010	Bi-Annually
Environmentally Sensitive Areas Natural England	October 2010	Annually
Forest Parks Forestry Commission	April 1997	Not Applicable
Local Nature Reserves Natural England	December 2010	Bi-Annually
Marine Nature Reserves Natural England	September 2010	Bi-Annually
National Nature Reserves Natural England	December 2010	Bi-Annually
National Parks Natural England	January 2011	Bi-Annually
Nitrate Sensitive Areas Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)	December 2009	Not Applicable
Nitrate Vulnerable Zones Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)	November 2010	Annually
Ramsar Sites Natural England	December 2010	Bi-Annually
Sites of Special Scientific Interest Natural England	December 2010	Bi-Annually
Special Areas of Conservation Natural England	December 2010	Bi-Annually
Special Protection Areas Natural England	December 2010	Bi-Annually

A selection of organisations who provide data within this report

Data Supplier	Data Supplier Logo
Ordnance Survey	
Environment Agency	
Scottish Environment Protection Agency	
The Coal Authority	
British Geological Survey	 British Geological Survey <small>NATURAL ENVIRONMENT RESEARCH COUNCIL</small>
Centre for Ecology and Hydrology	 Centre for Ecology & Hydrology <small>NATURAL ENVIRONMENT RESEARCH COUNCIL</small>
Countryside Council for Wales	 CYNGOR CEFN GWLAD CYMRU COUNTRYSIDE COUNCIL FOR WALES
Scottish Natural Heritage	
Natural England	
Health Protection Agency	
Ove Arup	
Peter Brett Associates	

Contact	Name and Address	Contact Details
1	Environment Agency - National Customer Contact Centre (NCCC) PO Box 544, Templeborough, Rotherham, S60 1BY	Telephone: 08708 506 506 Email: enquiries@environment-agency.gov.uk
2	British Geological Survey - Enquiry Service British Geological Survey, Kingsley Dunham Centre, Keyworth, Nottingham, Nottinghamshire, NG12 5GG	Telephone: 0115 936 3143 Fax: 0115 936 3276 Email: enquiries@bgs.ac.uk Website: www.bgs.ac.uk
3	The Coal Authority - Mining Report Service 200 Lichfield Lane, Mansfield, Nottinghamshire, NG18 4RG	Telephone: 0845 7626848 Email: thecoalauthority@coal.gov.uk
4	Barnsley Metropolitan Borough Council - Planning Department Central Offices, Kendray Street, Barnsley, South Yorkshire, S70 2TN	Telephone: 01226 770770 Fax: 01226 772599 Website: www.barnsley.gov.uk
5	Wakefield City Metropolitan District Council Newton Bar, Wakefield, West Yorkshire, WF1 2TX	Telephone: 01924 306090 Fax: 01924 378532 Website: www.wakefield.gov.uk
6	Doncaster Metropolitan Borough Council Danum House, St Sepulchre Gate, Doncaster, South Yorkshire, DN1 1UB	Telephone: 01302 734854 Fax: 01302 734949 Website: www.doncaster.gov.uk
7	Natural England Northminster House, Northminster Road, Peterborough, Cambridgeshire, PE1 1UA	Telephone: 0845 600 3078 Fax: 01733 455103 Email: enquiries@naturalengland.org.uk Website: www.naturalengland.org.uk
8	Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA) Government Buildings, Otley Road, Lawnswood, Leeds, West Yorkshire, LS16 5QT	Telephone: 0113 2613333 Fax: 0113 230 0879
9	Barnsley Metropolitan Borough Council - Environmental Health and Trading Standards Central Offices, Kendray Street, Barnsley, South Yorkshire, S70 2TN	Telephone: 01226 770770 Fax: 01226 772599 Website: www.barnsley.gov.uk
-	Health Protection Agency - Radon Survey, Centre for Radiation, Chemical and Environmental Hazards Chilton, Didcot, Oxfordshire, OX11 0RQ	Telephone: 01235 822622 Fax: 01235 833891 Email: radon@hpa.org.uk Website: www.hpa.org.uk
-	Landmark Information Group Limited The Smith Centre, Henley On Thames, Oxfordshire, RG9 6AB	Telephone: 0844 844 9952 Fax: 0844 844 9951 Email: customerservices@landmarkinfo.co.uk Website: www.landmarkinfo.co.uk

Please note that the Environment Agency / SEPA have a charging policy in place for enquiries.

Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Yorkshire	1:10,560	1854	2
Yorkshire	1:10,560	1894	3
Yorkshire	1:10,560	1906 - 1907	4
Yorkshire	1:10,560	1930	5
Yorkshire	1:10,560	1932 - 1933	6
Yorkshire	1:10,560	1938 - 1948	7
Yorkshire	1:10,560	1938 - 1948	8
Yorkshire	1:10,560	1948	9
Ordnance Survey Plan	1:10,000	1955 - 1956	10
Ordnance Survey Plan	1:10,000	1966 - 1967	11
Ordnance Survey Plan	1:10,000	1974	12
Ordnance Survey Plan	1:10,000	1981 - 1984	13
Ordnance Survey Plan	1:10,000	1989	14
Ordnance Survey Plan	1:10,000	1990 - 1993	15
10K Raster Mapping	1:10,000	2000	16
10K Raster Mapping	1:10,000	2006	17
10K Raster Mapping	1:10,000	2010	18

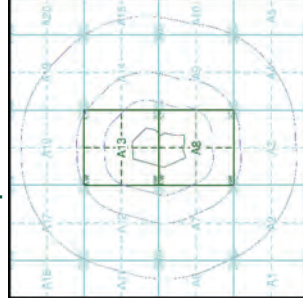
1:10,000 Raster Mapping

Historical Mapping Legends

Ordnance Survey Plan 1:10,000

Ordnance Survey County Series 1:10,560

Historical Map - Slice A



Order Details

Order Number: 34193696_1_1
 Customer Ref: 33613/ASKLGMJY
 National Grid Reference: 441230, 410260
 Slice: A
 Site Area (Ha): 12.23
 Search Buffer (m): 1000

Site Details

Willowgarth High School, Brierley Road, Grimethorpe, BARNESLEY, South Yorkshire, S72 7AU



**Yorkshire
Published 1854**

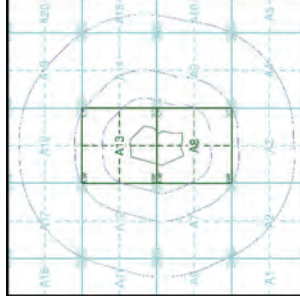
Source map scale - 1:10,560

The historical maps shown were reproduced from maps predominantly held at the OS, applied for England, Wales and Scotland in the 1840's. In 1854 the OS published the first 1:10,560 maps. The published data on these maps are often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in cutting areas. In the late 1940's, a Provisional Edition was produced, which updated the 1:10,560 mapping from a number of sources. The maps appear unfinished - with all military camps and other strategic sites removed. These maps were initially overprinted with the National Grid. In 1970, the first 1:10,000 maps were produced using the Transverse Mercator Projection. The revision process continued until recently, with new editions appearing every 10 years or so for urban areas.

Map Name(s) and Date(s)

26300	1854	1:10,560
27500	1854	1:10,560

Historical Map - Slice A

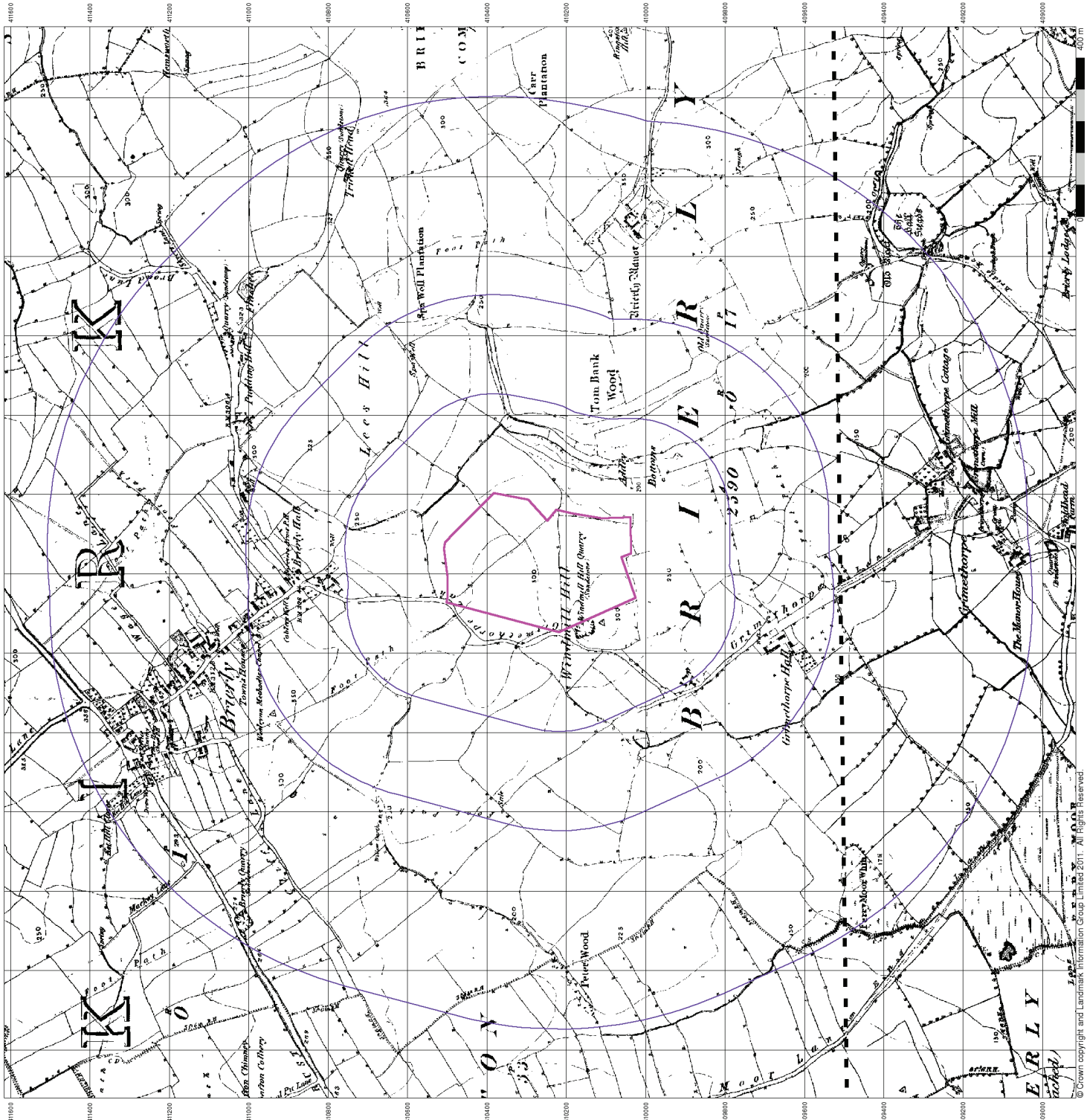


Order Details

Order Number: 347193696_1_1
 Customer Ref: 33613/ASIKLGM/JY
 National Grid Reference: 441230, 410260
 Slice: A
 Site Area (Ha): 12.23
 Search Buffer (m): 1000

Site Details

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Yorkshire

Published 1894

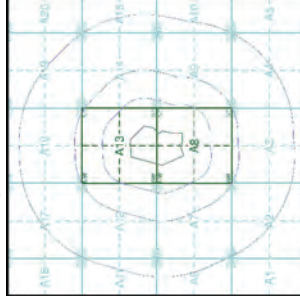
Source map scale - 1:10,560

The historical maps shown were reproduced from maps predominantly held at the Ordnance Survey, Warley and Scotland in the 1940's. In 1854 the Ordnance Survey published the first 1:10,560 maps. These maps are used to update the 1:10,560 maps. The published data, when there are often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in cutting areas. In the late 1940's, a Provisional Edition was produced, which updated the 1:10,560 mapping from a number of sources. The maps appear unfinished - with all military camps and other strategic sites removed. These maps were initially overprinted with the National Grid. In 1970, the first 1:10,000 maps were produced using the Transverse Mercator Projection. The revision process continued until recently, with new editions appearing every 10 years or so for urban areas.

Map Name(s) and Date(s)

263SW	263SE
1894	1894
1:10,560	1:10,560
275NW	275NE
1894	1894
1:10,560	1:10,560

Historical Map - Slice A

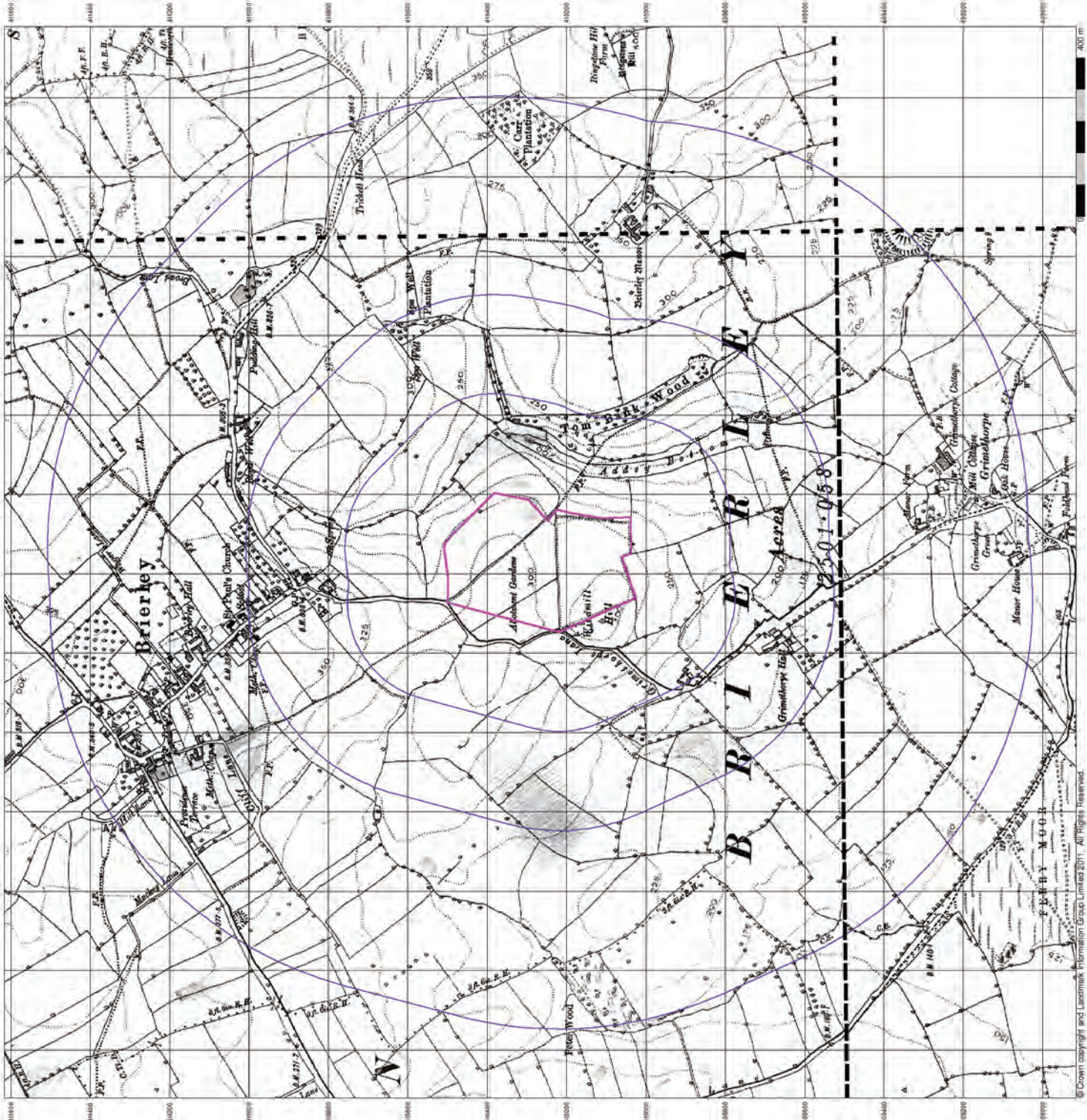


Order Details

Order Number: 347193696_1_1
 Customer Ref: 33613/VAS/KLG/MJY
 National Grid Reference: 441230, 410260
 Slice: A
 Site Area (Ha): 12.23
 Search Buffer (m): 1000

Site Details

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Yorkshire

Published 1906 - 1907

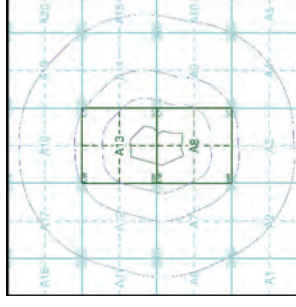
Source map scale - 1:10,560

The historical maps shown were reproduced from maps predominantly held at the Ordnance Survey, Great Britain and Scotland in the 1940's. In 1854 at the age of 2,900 years old, the Ordnance Survey maps were used to update the 1:10,560 maps. The published data, when there are often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys in cutting county or group of counties, giving rise to significant inaccuracies in cutting areas. In the late 1940's, a Provisional Edition was produced, which updated the 1:10,560 mapping from a number of sources. The maps appear unfinished - with all military camps and other strategic sites removed. These maps were initially overprinted with the National Grid. In 1970, the first 1:10,000 maps were produced using the Transverse Mercator Projection. The revision process continued until recently, with new editions appearing every 10 years or so for urban areas.

Map Name(s) and Date(s)

263SW	263SE
1907	1907
1:10,560	1:10,560
275NW	275NE
1906	1907
1:10,560	1:10,560

Historical Map - Slice A

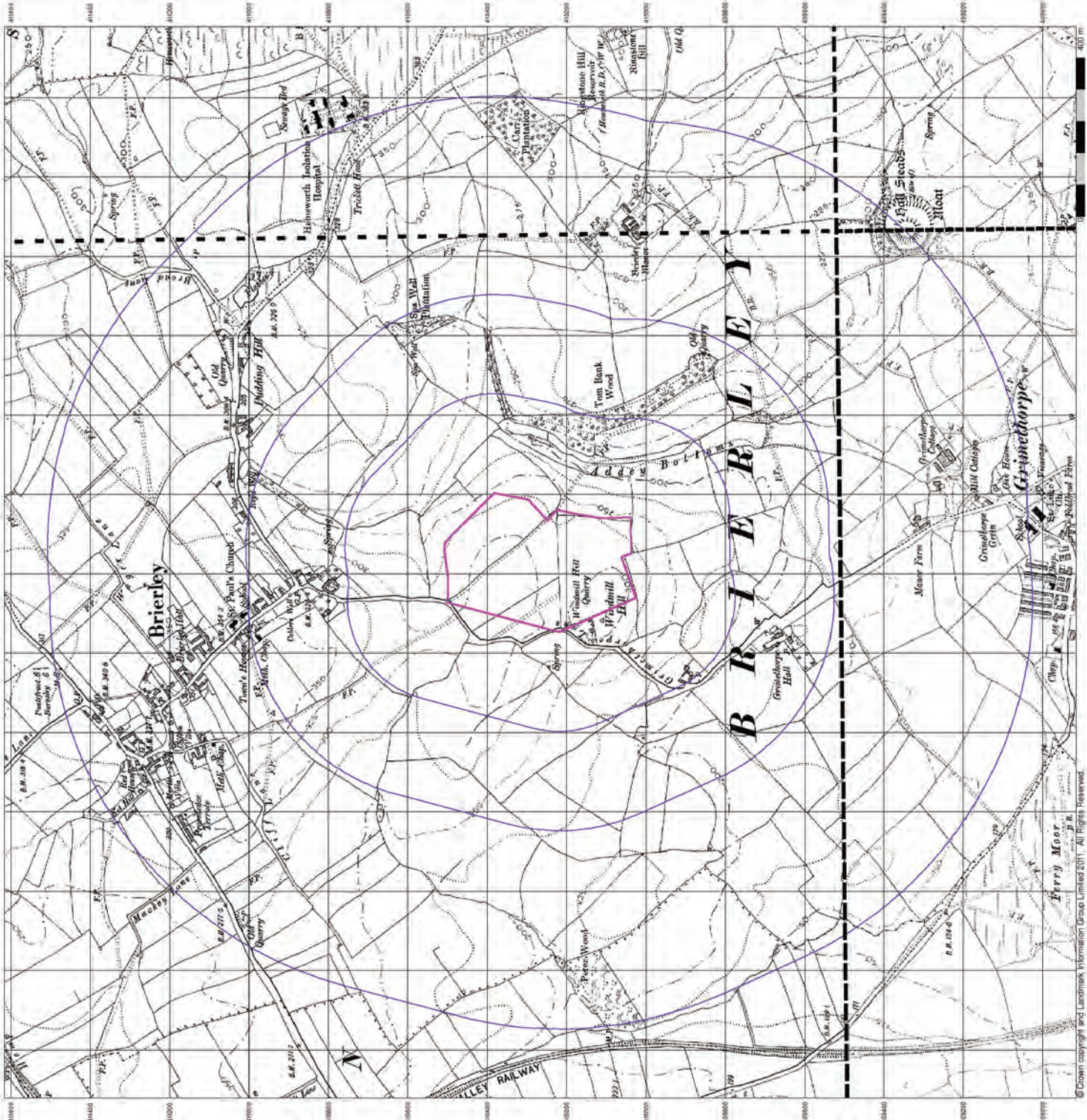


Order Details

Order Number: 347193696_1_1
 Customer Ref: 33613/VASIKLGMJY
 National Grid Reference: 441230, 410260
 Slice: A
 Site Area (Ha): 12.23
 Search Buffer (m): 1000

Site Details

Willowgarth High School, Brierley Road, Grimethorpe, BARNESLEY, South Yorkshire, S7Z 7AJ



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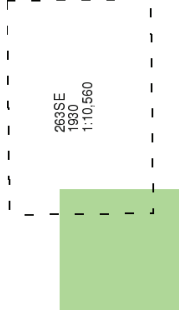
Yorkshire

Published 1930

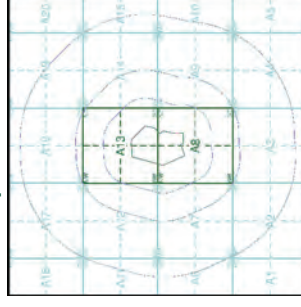
Source map scale - 1:10,560

The historical maps shown were reproduced from maps predominantly held at the Ordnance Survey, Warley and Scotland in the 1940's. In 1854 the Ordnance Survey published the first 1:10,560 scale maps. These maps were used to update the 1:10,560 maps. The published data, when there are often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties giving rise to significant inaccuracies in outlying areas. In the late 1940's, a Provisional Edition was produced, which updated the 1:10,560 mapping from a number of sources. The maps appear unfinished - with all military camps and other strategic sites removed. These maps were initially overprinted with the National Grid. In 1970, the first 1:10,000 maps were produced using the Transverse Mercator Projection. The revision process continued until recently, with new editions appearing every 10 years or so for urban areas.

Map Name(s) and Date(s)



Historical Map - Slice A

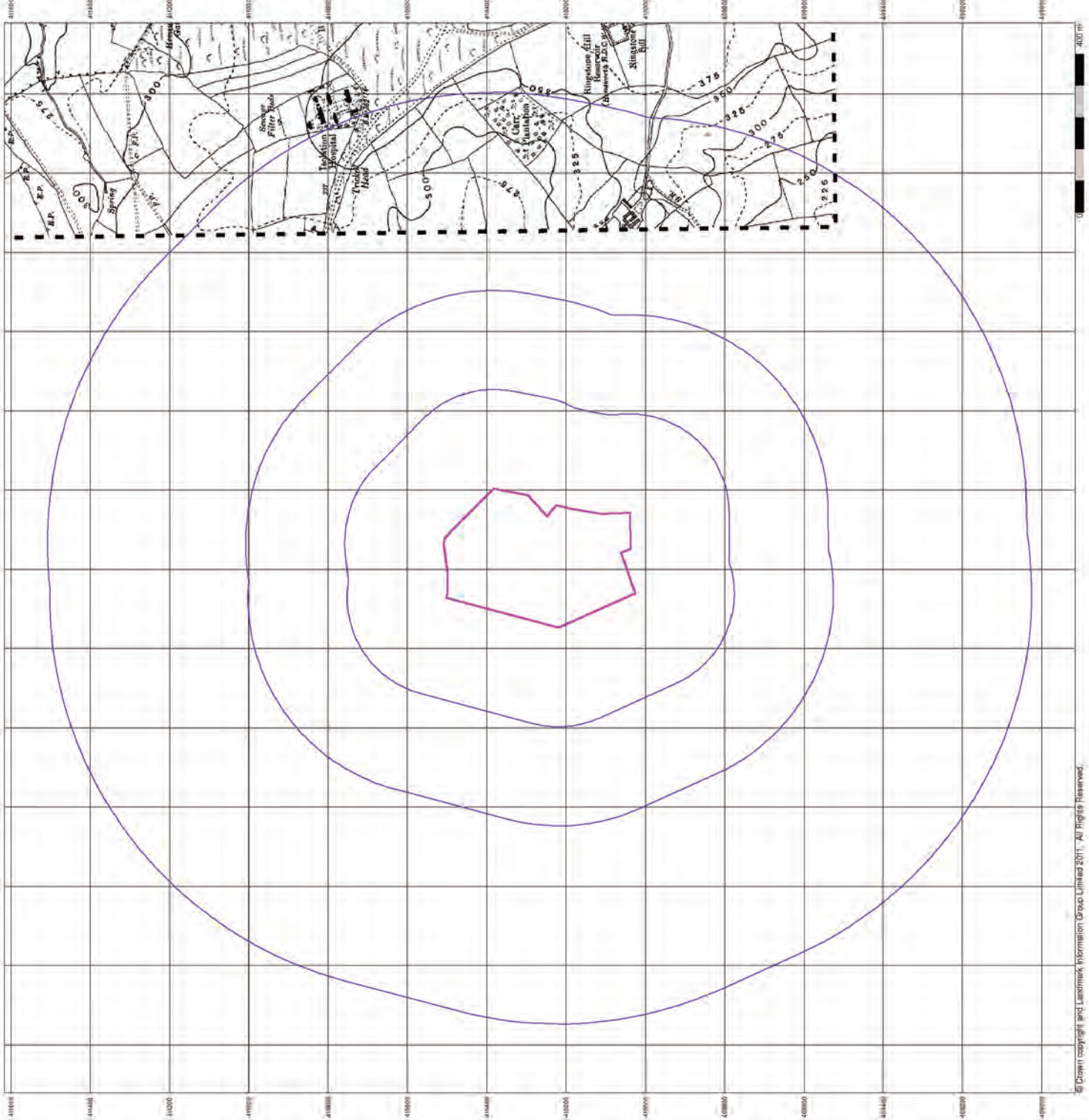


Order Details

Order Number: 347193696_1_1
 Customer Ref: 33613/AS/KLG/MJY
 National Grid Reference: 441230, 410260
 Slice: A
 Site Area (Ha): 12.23
 Search Buffer (m): 1000

Site Details

Willowgarth High School, Brierley Road, Grimethorpe,
 BARNESLEY, South Yorkshire, S72 7AJ



Yorkshire

Published 1932 - 1933

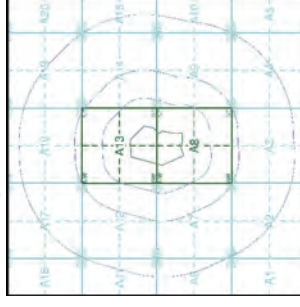
Source map scale - 1:10,560

The historical maps shown were reproduced from maps predominantly held at the Ordnance Survey, Warley and Scotland in the 1940's. In 1854 at the 2:50,000 scale, the Ordnance Survey maps were first published. These were used to update the 1:10,560 maps. The published data, when there are often some years later than the surveyed date. Before 1933, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in cutting areas. In the late 1940's, a Provisional Edition was produced, which updated the 1:10,560 mapping from a number of sources. The maps appear unfinished - with all military camps and other strategic sites removed. These maps were initially overprinted with the National Grid. In 1970, the first 1:10,000 maps were produced using the Transverse Mercator Projection. The revision process continued until recently, with new editions appearing every 10 years or so for urban areas.

Map Name(s) and Date(s)

2635W	1933
1:10,560	
275NE	1932
1:10,560	

Historical Map - Slice A

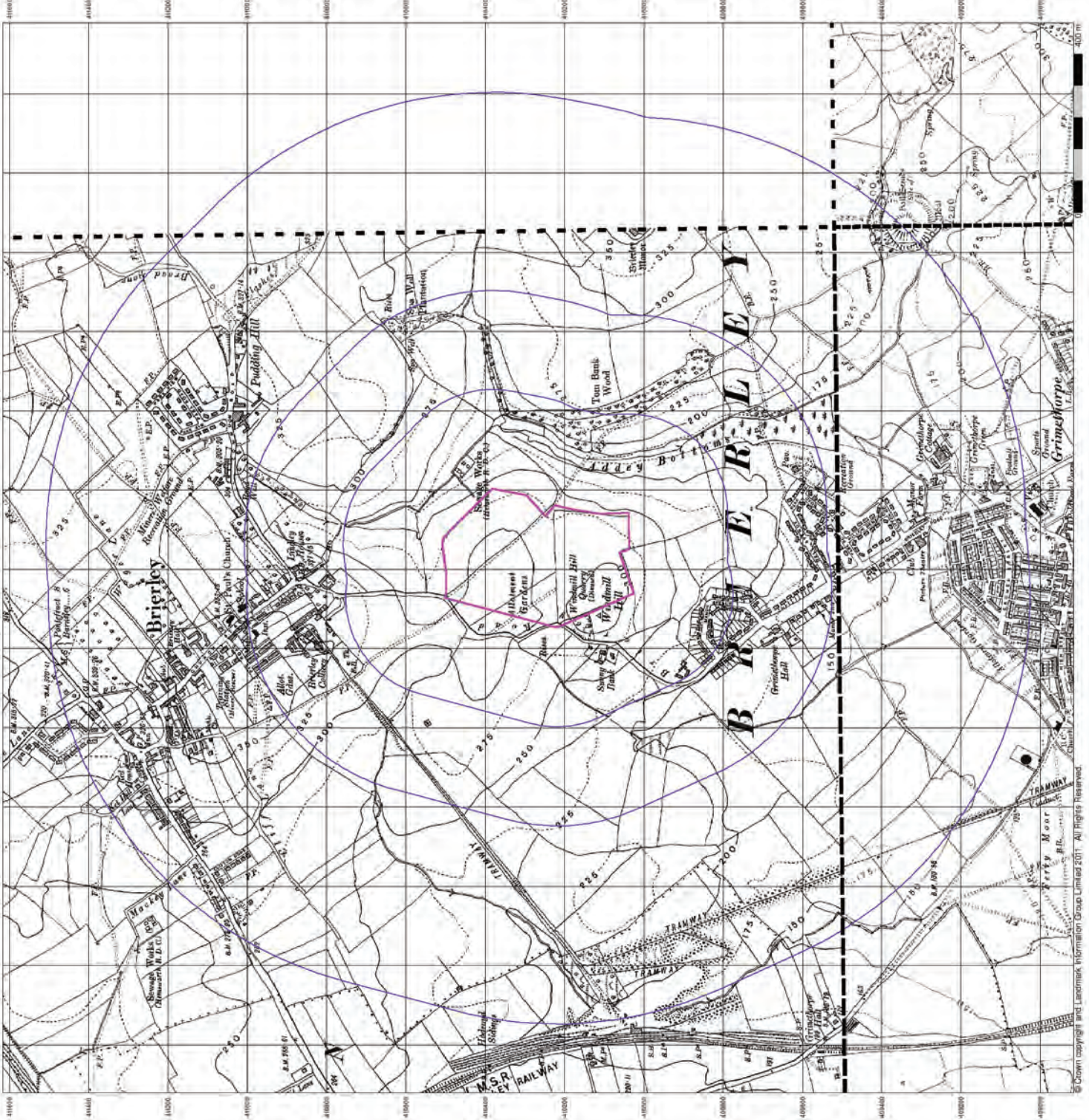


Order Details

Order Number: 34193696_1_1
 Customer Ref: 33613/VAS/KLGM/JY
 National Grid Reference: 441230, 410260
 Slice: A
 Site Area (Ha): 12.23
 Search Buffer (m): 1000

Site Details

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Yorkshire

Published 1938 - 1948

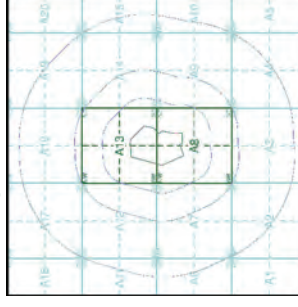
Source map scale - 1:10,560

The historical maps shown were reproduced from maps predominantly held at the OS map office in England, Wales and Scotland in the 1940's. In 1854 the OS was created and the first 2500 scale maps were produced. These maps are used to update the 1:10,560 maps. The published date, when there are often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in cutting areas. In the late 1940's, a Provisional Edition was produced, which updated the 1:10,560 mapping from a number of sources. The maps appear 'unfinished' - with all military camps and other strategic sites removed. These maps were initially overprinted with the National Grid. In 1970, the first 1:10,000 maps were produced using the Transverse Mercator Projection. The revision process continued until recently, with new editions appearing every 10 years or so for urban areas.

Map Name(s) and Date(s)

263SW 1938 1:10,560	263SE 1938 1:10,560
275NW 1938 1:10,560	275NE 1938 1:10,560

Historical Map - Slice A

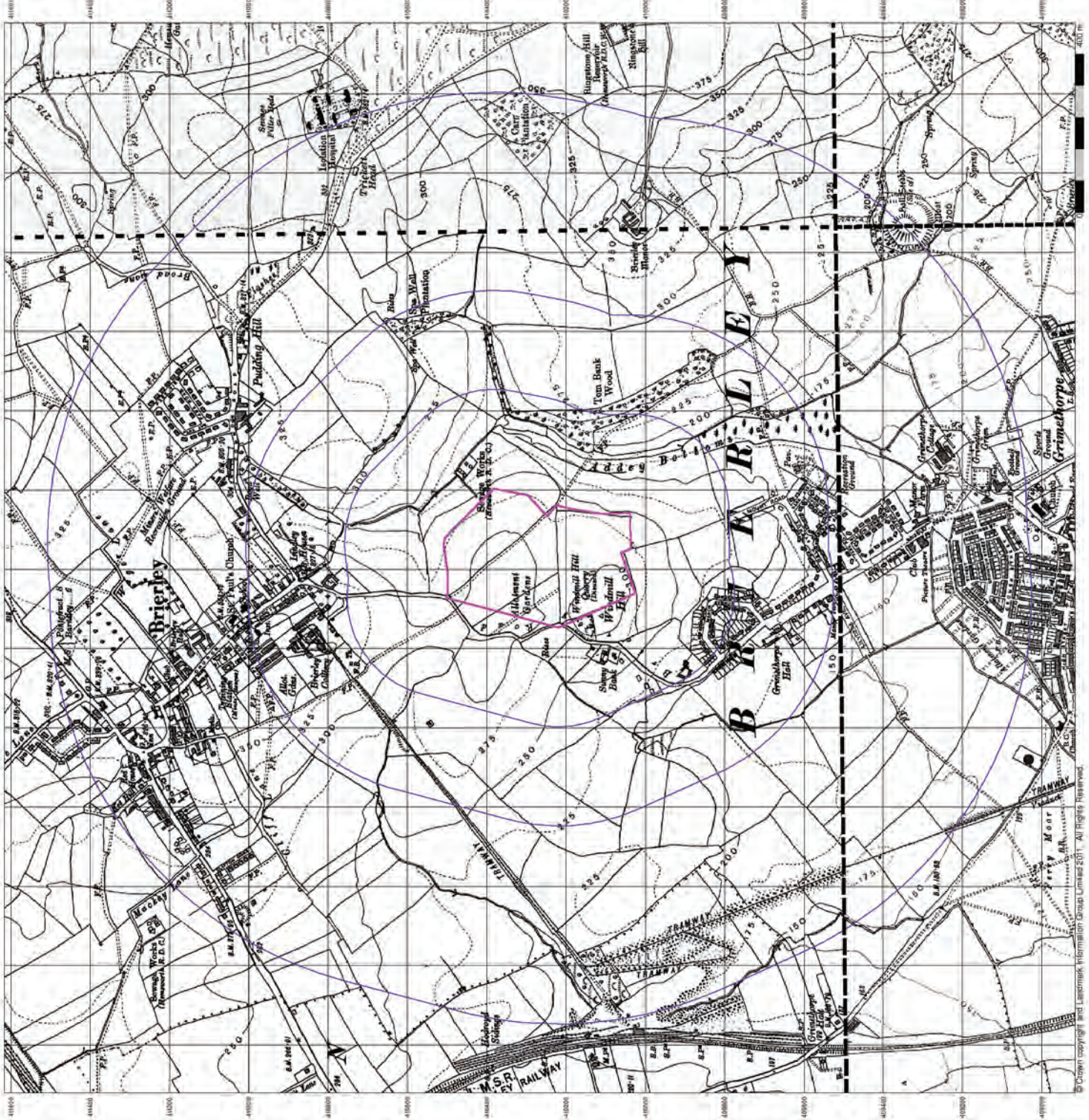


Order Details

Order Number: 34193696_1_1
 Customer Ref: 33613/VAS/KLGM/JY
 National Grid Reference: 441230, 410260
 Slice: A
 Site Area (Ha): 12.23
 Search Buffer (m): 1000

Site Details

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Yorkshire

Published 1938 - 1948

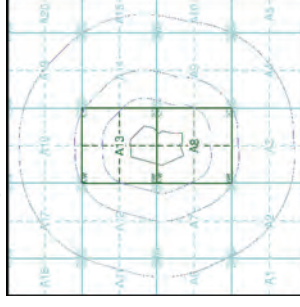
Source map scale - 1:10,560

The historical maps shown were reproduced from maps predominantly held at the Ordnance Survey, Warley and Scotland in the 1940's. In 1854 the 2500 map series was introduced. The published data on these maps are used to update the 1:10,560 maps. The published data on these maps are often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties giving rise to significant inaccuracies in cutting areas. In the late 1940's, a Provisional Edition was produced, which updated the 1:10,560 mapping from a number of sources. The maps appear unfinished - with all military camps and other strategic sites removed. These maps were initially overprinted with the National Grid. In 1970, the first 1:10,000 maps were produced using the Transverse Mercator Projection. The revision process continued until recently, with new editions appearing every 10 years or so for urban areas.

Map Name(s) and Date(s)

263SW	263SE
1938	1948
1:10,560	1:10,560
275NW	275NE
1938	1948
1:10,560	1:10,560

Historical Map - Slice A

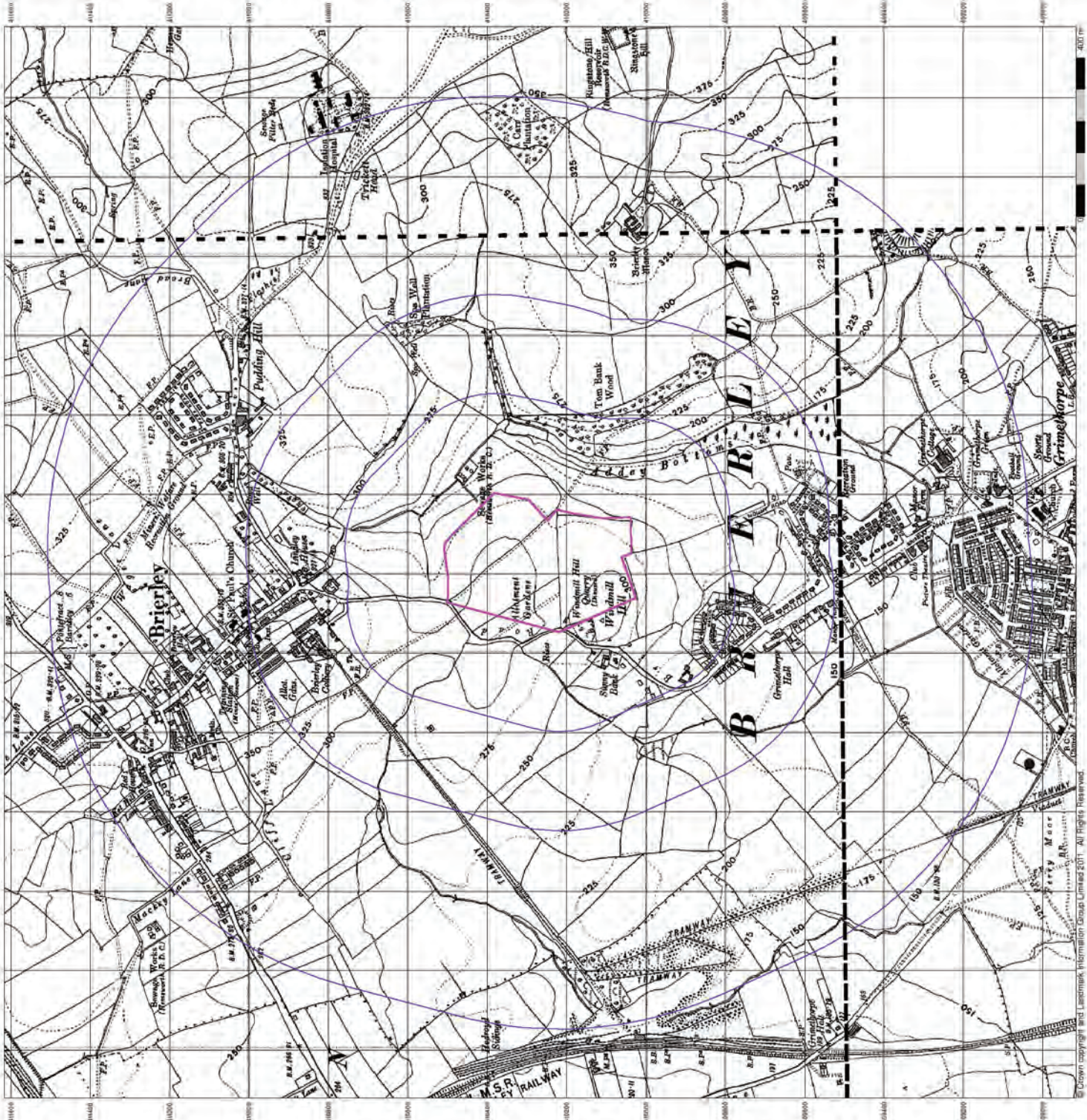


Order Details

Order Number: 34193696_1_1
 Customer Ref: 33613/VAS/KLGM/JY
 National Grid Reference: 441230, 410260
 Slice: A
 Site Area (Ha): 12.23
 Search Buffer (m): 1000

Site Details

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Yorkshire

Published 1948

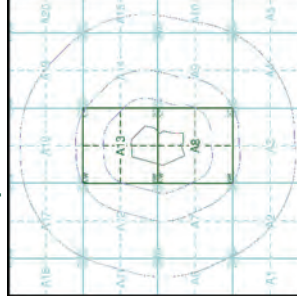
Source map scale - 1:10,560

The historical maps shown were reproduced from maps predominantly held at the Ordnance Survey, Warley and Scotland in the 1940's. In 1854 at a scale of 1:25,000. The maps were then updated and the maps are used to update the 1:10,560 maps. The published data, then there are often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in cutting areas. In the late 1940's, a Provisional Edition was produced, which updated the 1:10,560 mapping from a number of sources. The maps appear unfinished - with all military camps and other strategic sites removed. These maps were initially overprinted with the National Grid. In 1970, the first 1:10,000 maps were produced using the Transverse Mercator Projection. The revision process continued until recently, with new editions appearing every 10 years or so for urban areas.

Map Name(s) and Date(s)

263SW	1948
1:10,560	
275NW	1948
1:10,560	

Historical Map - Slice A



Order Details

Order Number: 34793696_1_1
 Customer Ref: 33613/AS/KLG/MJY
 National Grid Reference: 441230, 410260
 Slice: A
 Site Area (Ha): 12.23
 Search Buffer (m): 1000

Site Details

Willowgarth High School, Brierley Road, Grimethorpe, BARNESLEY, South Yorkshire, S72 7AJ



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Ordnance Survey Plan

Published 1955 - 1956

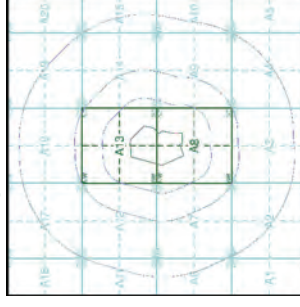
Source map scale - 1:10,000

The historical maps shown were reproduced from maps predominantly held at the OS for England, Wales and Scotland in the 1840's. In 1854 the OS produced the first 1:10,000 scale map. The published maps are used to update the 1:10,000 maps. The published data, when there are often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in cutting areas. In the late 1940's, a Provisional Edition was produced, which updated the 1:10,000 mapping from a number of sources. The maps appear unfinished - with all military camps and other strategic sites removed. These maps were initially overprinted with the National Grid. In 1970, the first 1:10,000 maps were produced using the Transverse Mercator Projection. The revision process continued until recently, with new editions appearing every 10 years or so for urban areas.

Map Name(s) and Date(s)

SE31SE	SE41SW
1956	1956
1:10,560	1:10,560
---	---
---	SE40NW
---	1955
---	1:10,560
---	---

Historical Map - Slice A

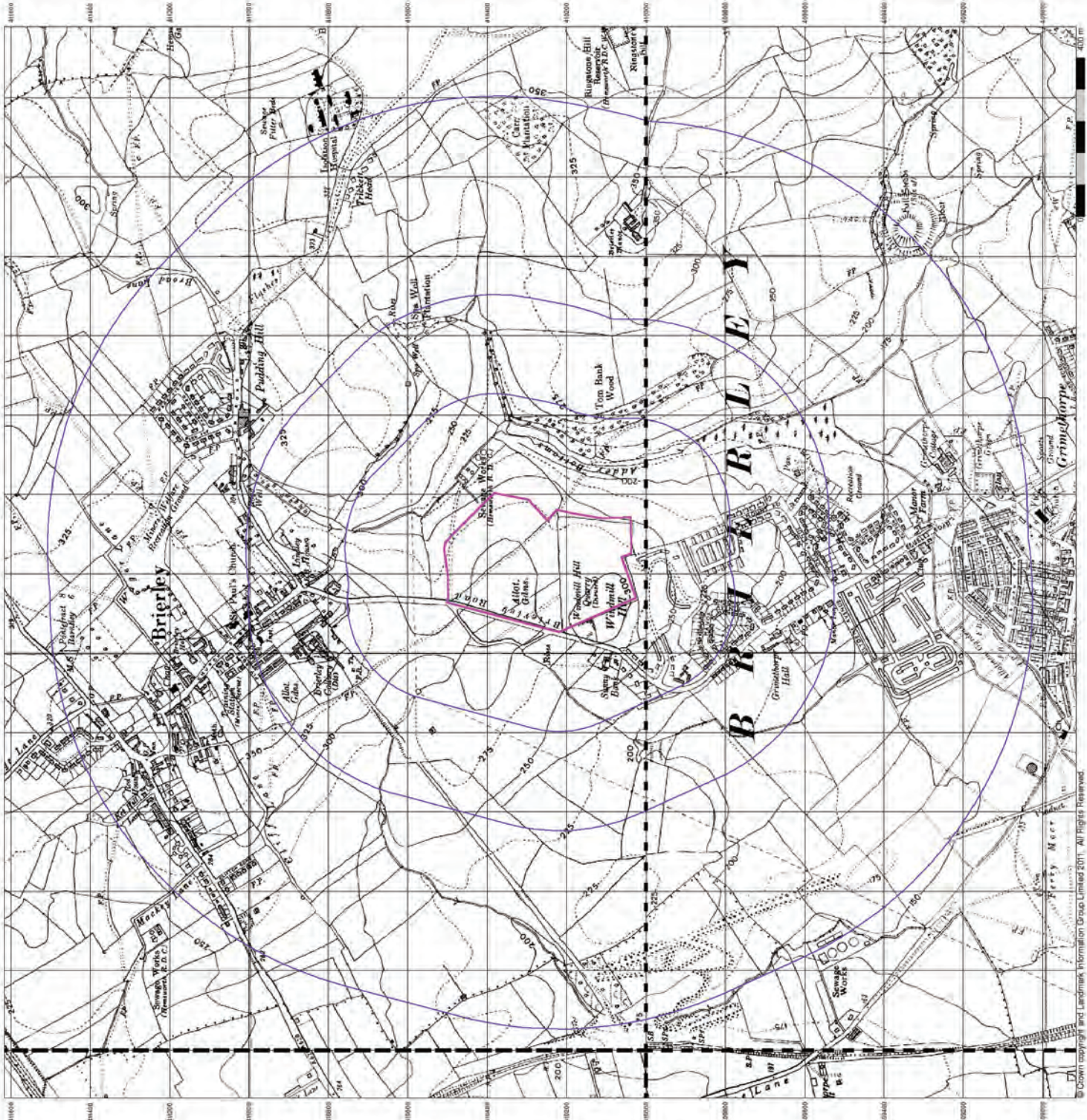


Order Details

Order Number: 347193696_1_1
 Customer Ref: 33613/AS/KLGMJY
 National Grid Reference: 441230, 410260
 Slice: A
 Site Area (Ha): 12.23
 Search Buffer (m): 1000

Site Details

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Ordnance Survey Plan

Published 1966 - 1967

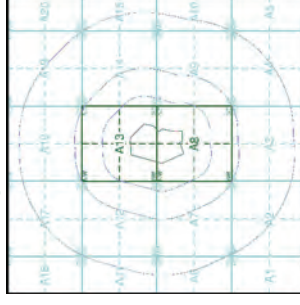
Source map scale - 1:10,000

The historical maps shown were reproduced from maps predominantly held at the OS map office in England, Wales and Scotland in the 1940's. In 1954 at the OS map office in London. The maps were reproduced from the OS maps used to update the 1:10,000 maps. The published data on these maps are often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties giving rise to significant inaccuracies in cutting areas. In the late 1940's, a Provisional Edition was produced, which updated the 1:10,000 mapping from a number of sources. The maps appear 'unfinished' - with all military camps and other strategic sites removed. These maps were initially overprinted with the National Grid. In 1970, the first 1:10,000 maps were produced using the Transverse Mercator Projection. The revision process continued until recently, with new editions appearing every 10 years or so for urban areas.

Map Name(s) and Date(s)

SE31SE	1966	1:10,560	SE41SW	1967	1:10,560
SE30NE	1966	1:10,560	SE40NW	1967	1:10,560

Historical Map - Slice A

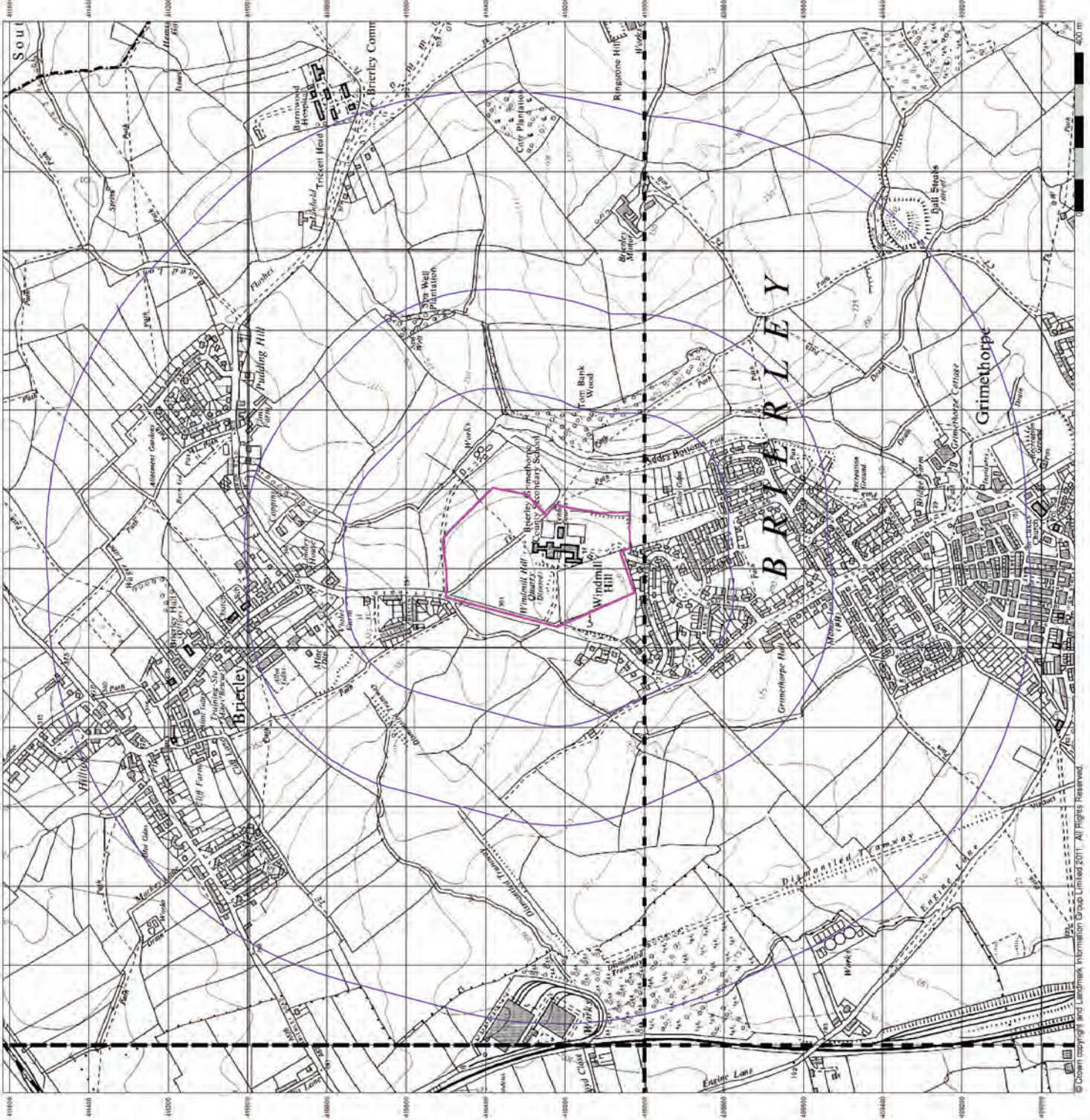


Order Details

Order Number: 34793696_1_1
 Customer Ref: 33613/AS/KLG/MJY
 National Grid Reference: 441230, 410260
 Slice: A
 Site Area (Ha): 12.23
 Search Buffer (m): 1000

Site Details

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 BARNESLEY, South Yorkshire, S72 7AJ



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Ordnance Survey Plan Published 1974

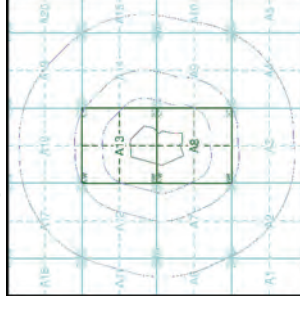
Source map scale - 1:10,000

The historical maps shown were reproduced from maps predominantly held at the Ordnance Survey, Warley and Scotland in the 1940's. In 1854 the Ordnance Survey produced the first 1:10,000 maps. These maps are used to update the 1:10,000 maps. The published data, then the maps are often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in cutting areas. In the late 1940's, a Provisional Edition was produced, which updated the 1:10,000 mapping from a number of sources. The maps appear 'unfinished' - with all military camps and other strategic sites removed. These maps were initially overprinted with the National Grid. In 1970, the first 1:10,000 maps were produced using the Transverse Mercator Projection. The revision process continued until recently, with new editions appearing every 10 years or so for urban areas.

Map Name(s) and Date(s)

SE30NE	1974	1:10,000
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Historical Map - Slice A

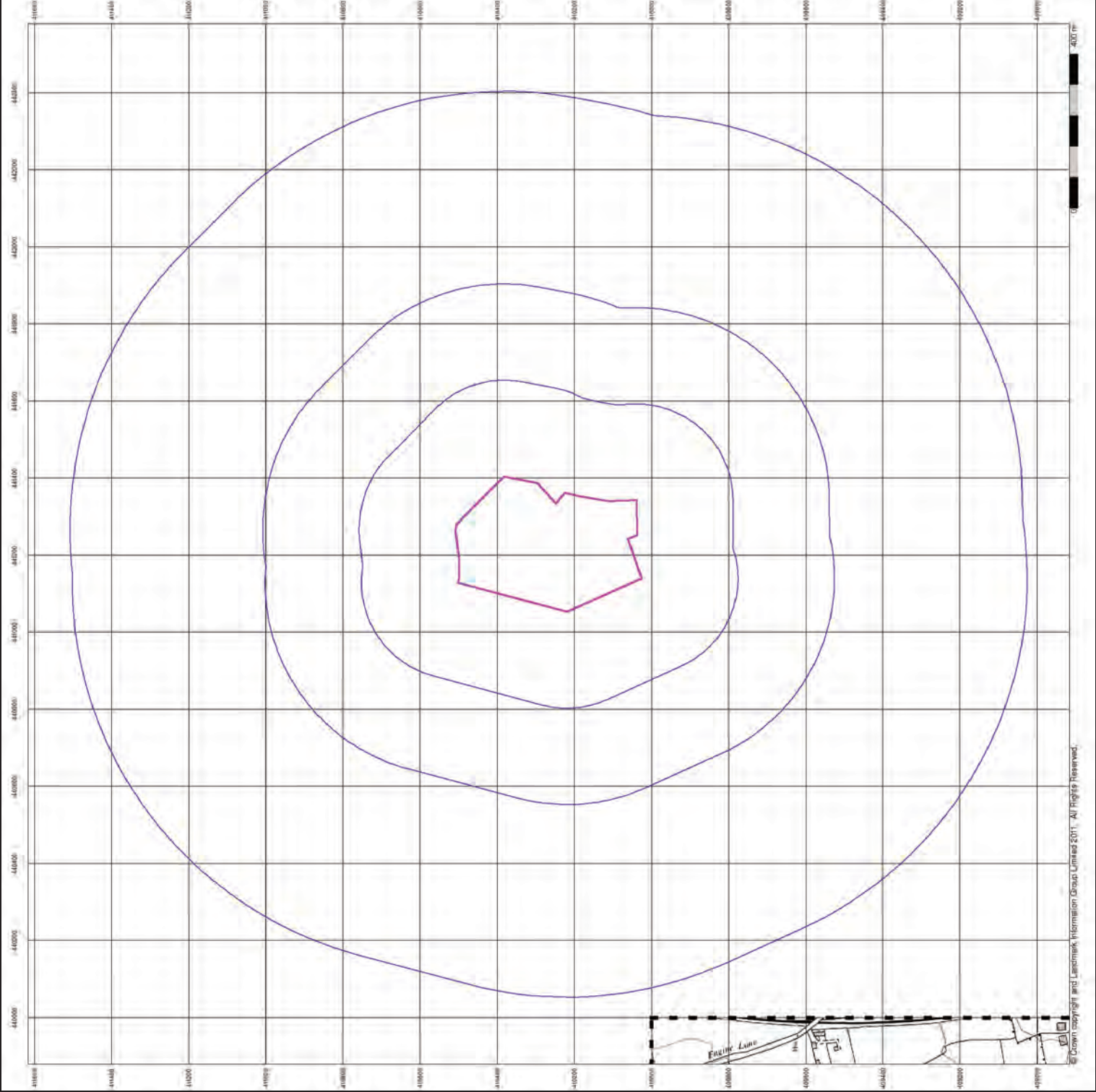


Order Details

Order Number: 34193696_1_1
 Customer Ref: 33613/AS/KLG/MJY
 National Grid Reference: 441230, 410260
 Slice: A
 Site Area (Ha): 12.23
 Search Buffer (m): 1000

Site Details

Willowgarth High School, Brierley Road, Grimethorpe,
 BARNSLEY, South Yorkshire, S72 7AJ



Ordnance Survey Plan Published 1981 - 1984

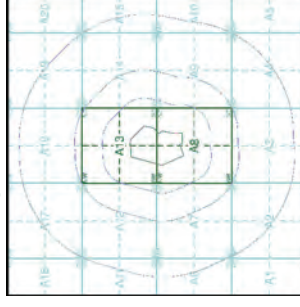
Source map scale - 1:10,000

The historical maps shown were reproduced from maps predominantly held at the OS for England, Wales and Scotland in the 1940's. In 1954 a new edition of the 1:10,000 maps was published. These maps are used to update the 1:10,000 maps. The published data, when there are often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in cutting areas. In the late 1940's, a Provisional Edition was produced, which updated the 1:10,000 mapping from a number of sources. The maps appear unfinished - with all military camps and other strategic sites removed. These maps were initially overprinted with the National Grid. In 1970, the first 1:10,000 maps were produced using the Transverse Mercator Projection. The revision process continued until recently, with new editions appearing every 10 years or so for urban areas.

Map Name(s) and Date(s)

SE31SE	SE41SW
1981	1984
1:10,000	1:10,000
---	---
SE30NE	SE40NW
1984	1983
1:10,000	1:10,000

Historical Map - Slice A



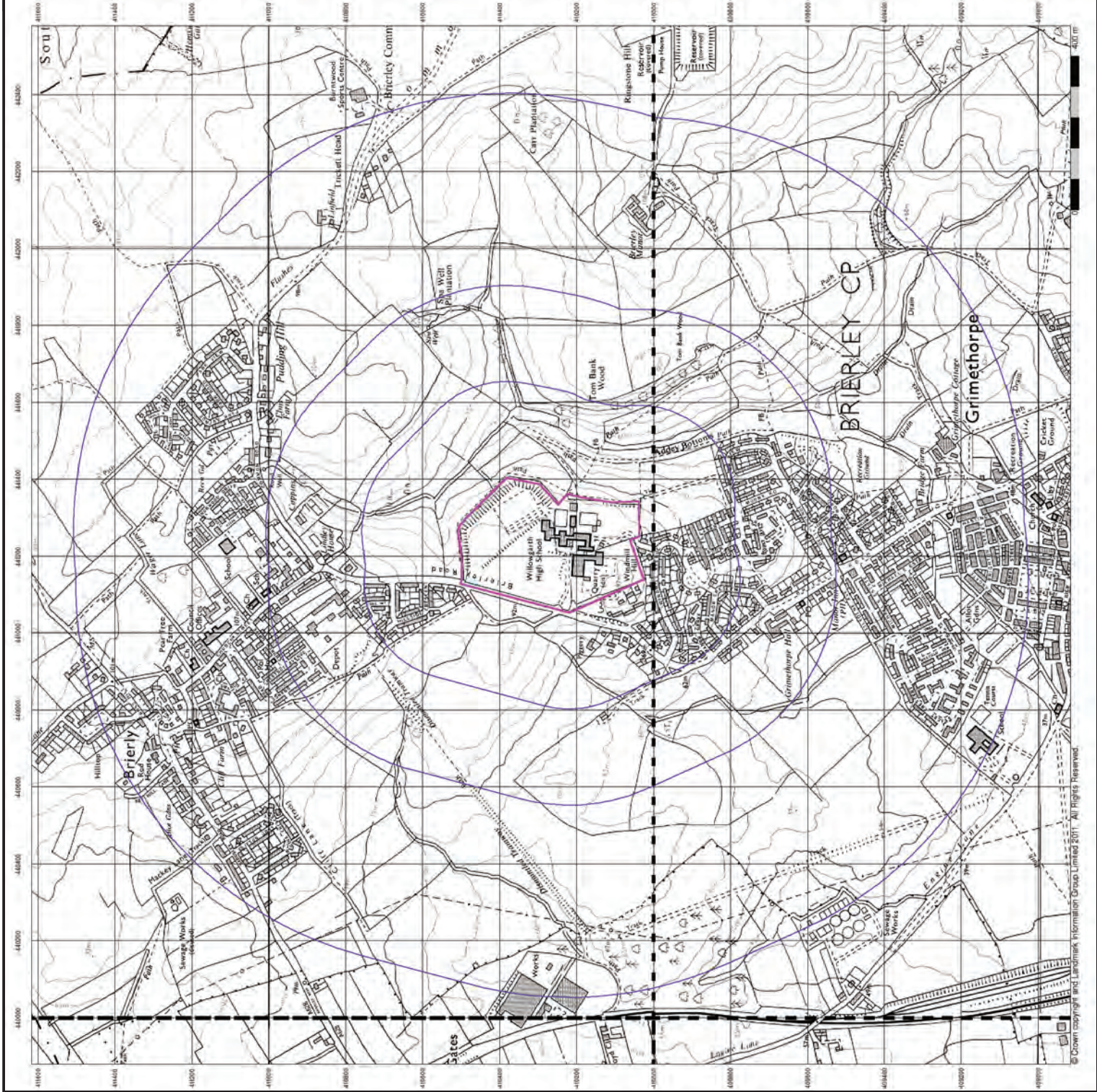
Order Details

Order Number: 34193696_1_1
 Customer Ref: 33613/ASIKLG/MJY
 National Grid Reference: 441230, 410260

Slice: A
 Site Area (Ha): 12.23
 Search Buffer (m): 1000

Site Details

Willowgarth High School, Brierley Road, Grimethorpe, BARNESLEY, South Yorkshire, S72 7AJ



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Ordnance Survey Plan Published 1989

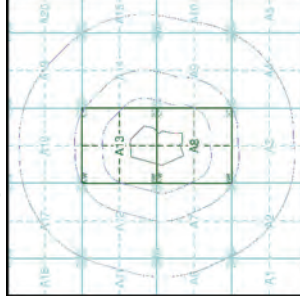
Source map scale - 1:10,000

The historical maps shown were reproduced from maps predominantly held at the OS archives for England, Wales and Scotland in the 1940's. In 1954 the OS published the 1:10,000 maps. The published data on these maps are often some years later than the surveyed date. Before 1939, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties giving rise to significant inaccuracies in outlying areas. In the late 1940's, a Provisional Edition was produced, which updated the 1:10,000 mapping from a number of sources. The maps appear 'unfinished' - with all military camps and other strategic sites removed. These maps were initially overprinted with the National Grid. In 1970, the first 1:10,000 maps were produced using the Transverse Mercator Projection. The revision process continued until recently, with new editions appearing every 10 years or so for urban areas.

Map Name(s) and Date(s)

- SE41SW
- 1989
- 1:10,000
- SE40NW
- 1989
- 1:10,000

Historical Map - Slice A

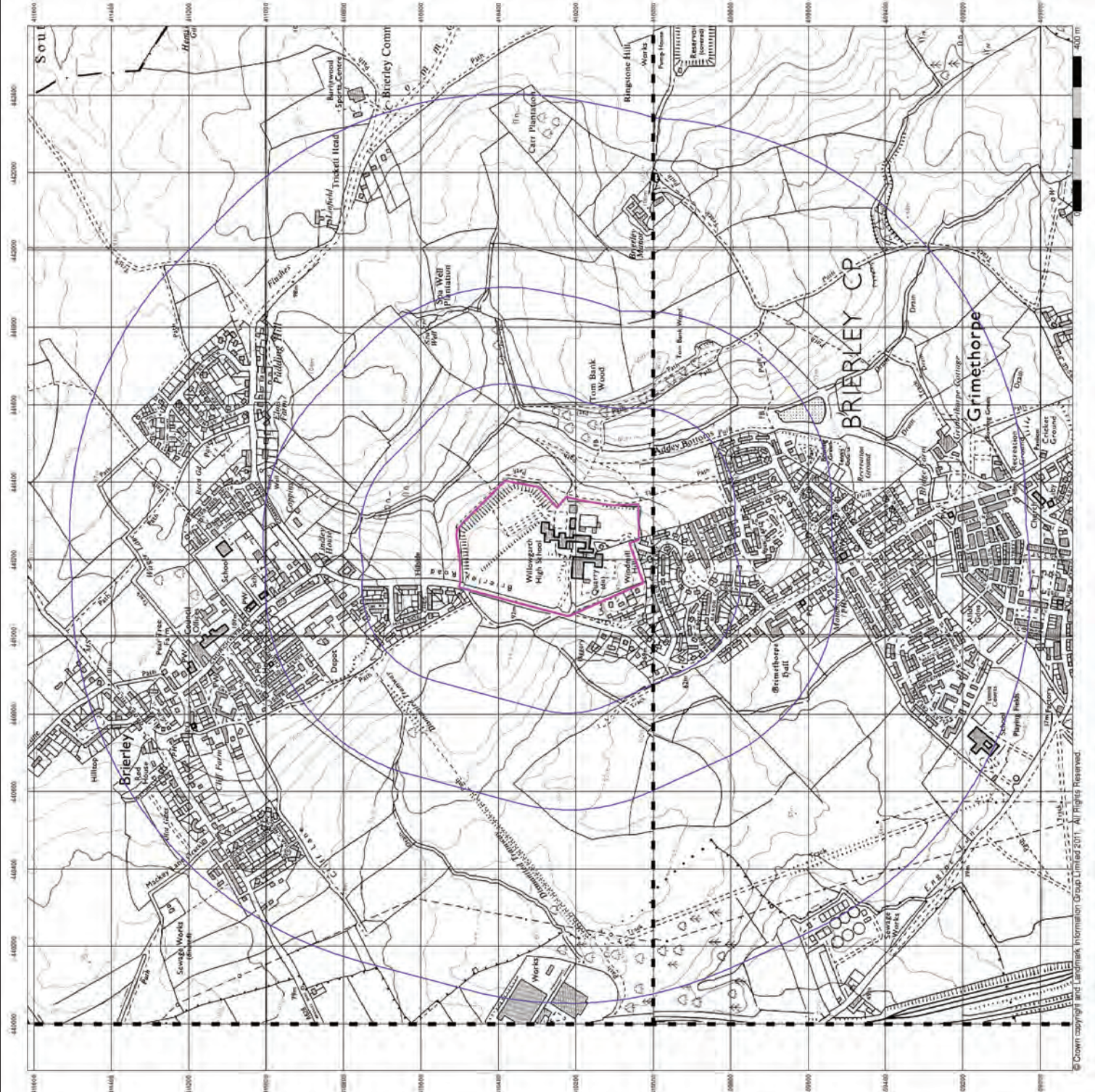


Order Details

Order Number: 34193696_1_1
 Customer Ref: 33613/AS/KLG/MJY
 National Grid Reference: 441230, 410260
 Slice: A
 Site Area (Ha): 12.23
 Search Buffer (m): 1000

Site Details

Willowgarth High School, Brierley Road, Grimethorpe, BARNESLEY, South Yorkshire, S72 7AJ



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Ordnance Survey Plan Published 1990 - 1993

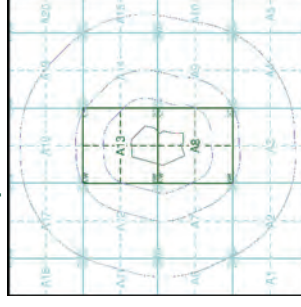
Source map scale - 1:10,000

The historical maps shown were reproduced from maps predominantly held at the Ordnance Survey, Warley, West Midlands in the 1940's. In 1854 the 1:10,000 scale maps were produced for the Ordnance Survey. The maps are used to update the 1:10,000 maps. The published data, then the maps are often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in cutting areas. In the late 1940's, a Provisional Edition was produced, which updated the 1:10,000 mapping from a number of sources. The maps appear 'unfinished' - with all military camps and other strategic sites removed. These maps were initially overprinted with the National Grid. In 1970, the first 1:10,000 maps were produced using the Transverse Mercator Projection. The revision process continued until recently, with new editions appearing every 10 years or so for urban areas.

Map Name(s) and Date(s)

SE31SE	1990	1:10,000
SE30NE	1993	1:10,000

Historical Map - Slice A

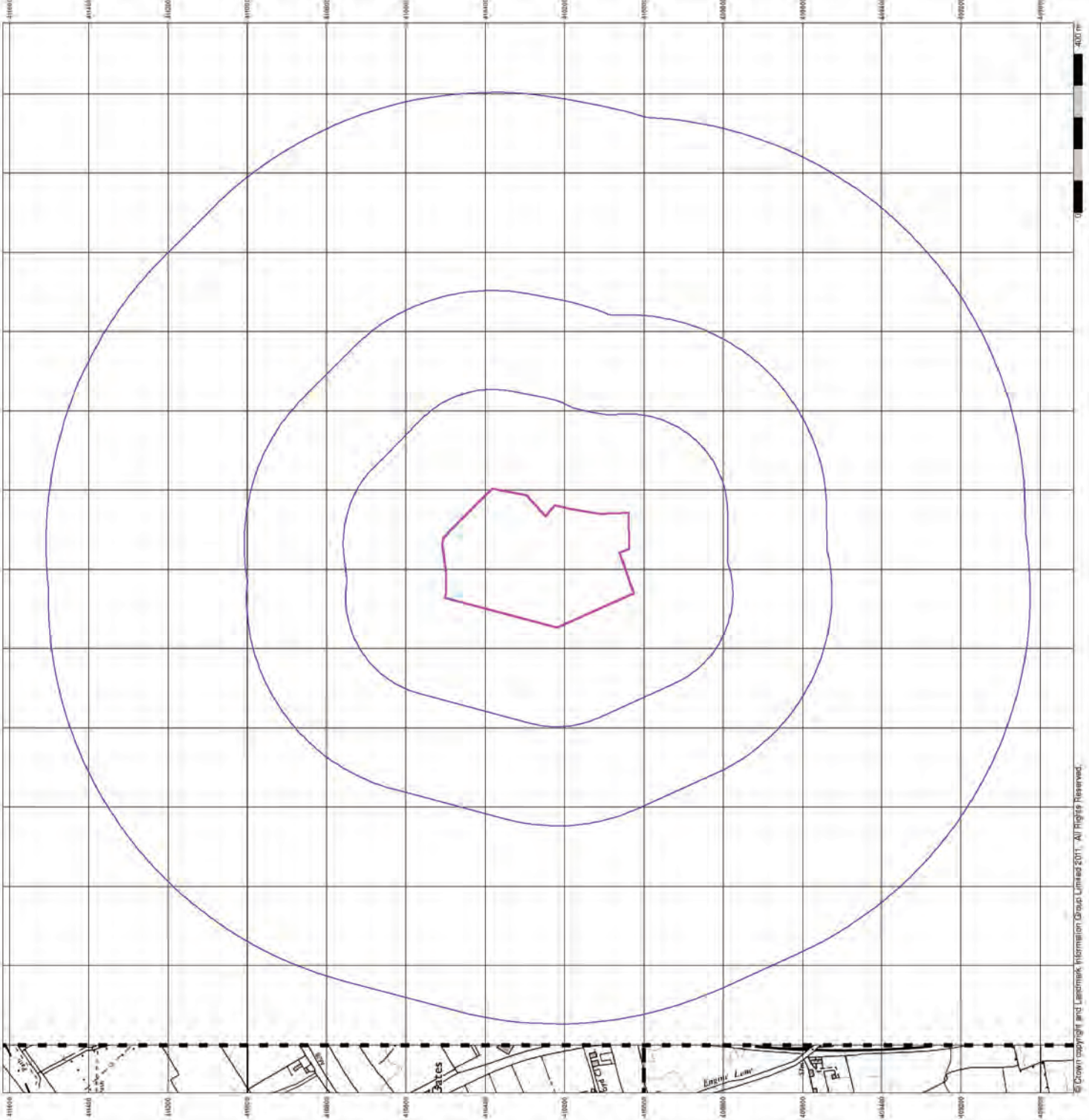


Order Details

Order Number: 34193696_1_1
 Customer Ref: 33613/AS/KLG/MJY
 National Grid Reference: 441230, 410260
 Slice: A
 Site Area (Ha): 12.23
 Search Buffer (m): 1000

Site Details

Willowgarth High School, Brierley Road, Grimethorpe,
 BARNESLEY, South Yorkshire, S72 7AJ



10k Raster Mapping

Published 2000

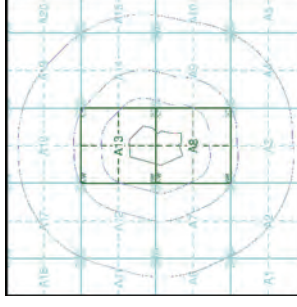
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The historical maps shown were produced from the Ordnance Survey's 1:10,000 colour raster mapping. These maps are derived from the data which was used to produce the 1:10,000 maps and are published as highly detailed spouting buildings, roads, and field boundaries as well as all roads, tracks and paths. Road names are also included together with the relevant road number and classification. Boundary information depiction includes county, unitary authority, district, civil parish and constituency.

Map Name(s) and Date(s)

SE31 SE	SE41 SW
2000	2000
1:10,000	1:10,000
SE30 NE	SE40 NW
2000	2000
1:10,000	1:10,000

Historical Map - Slice A



Order Details

Order Number: 347193696_1_1
 Customer Ref: 33613/ASIKLG/MJY
 National Grid Reference: 441230, 410260

Slice: A
 Site Area (Ha): 12.23
 Search Buffer (m): 1000

Site Details

Willowgarth High School, Brierley Road, Grimethorpe, BARNESLEY, South Yorkshire, S72 7AJ



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10k Raster Mapping

Published 2006

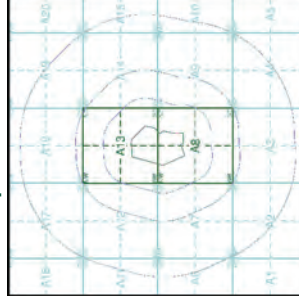
Source map scale - 1:10,000

The historical maps shown were produced from the Ordnance Survey's 1:10,000 colour raster mapping. These maps are derived from the data which was used to produce the 1:10,000 maps and are published at 1:20,000 scale. The data is highly detailed showing buildings, roads, and field boundaries as well as all roads, tracks and paths. Road names are also included together with the relevant road number and classification. Boundary information depiction includes county, unitary authority, district, civil parish and constituency.

Map Name(s) and Date(s)

SE31 SE	SE41 SW
2006	2006
1:10,000	1:10,000
SE30 NE	SE40 NW
2006	2006
1:10,000	1:10,000

Historical Map - Slice A



Order Details

Order Number: 347193696_1_1
 Customer Ref: 33613/AS/KLG/MJY
 National Grid Reference: 441230, 410260
 Slice: A
 Site Area (Ha): 12.23
 Search Buffer (m): 1000

Site Details

Willowgarth High School, Brierley Road, Grimethorpe, BARNESLEY, South Yorkshire, S72 7AJ



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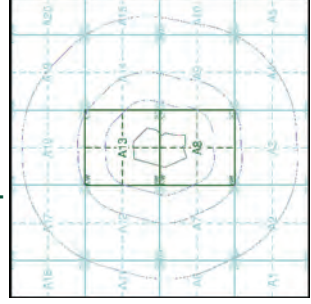
**10k Raster Mapping
Published 2010
Source map scale - 1:10,000**

The historical maps shown were produced from the Ordnance Survey's 1:10,000 colour raster mapping. These maps are derived from the data which was used to produce the 1:10,000 maps and are published as 10k data. This data is highly detailed showing buildings, roads, and field boundaries as well as all roads, tracks and paths. Road maps are also included together with the relevant road number and classification. Boundary information depiction includes county, unitary authority, district, civil parish and constituency.

Map Name(s) and Date(s)

SE31 SE	SE41 SW
2010	2010
1:10,000	1:10,000
SE30 NE	SE40 NW
2010	2010
1:10,000	1:10,000

Historical Map - Slice A



Order Details

Order Number: 34793696_1_1
 Customer Ref: 33613/ASIKLG/MJY
 National Grid Reference: 441230, 410260
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 Search Buffer (m): 1000

Site Details

Willowgarth High School, Brierley Road, Grimethorpe, BARNESLEY, South Yorkshire, S72 7AJ

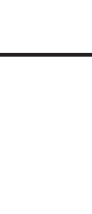
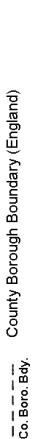
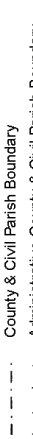
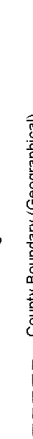
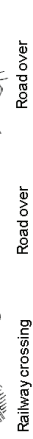
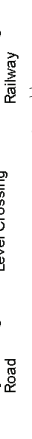
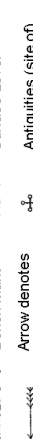
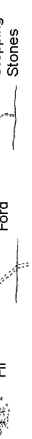
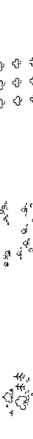
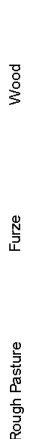
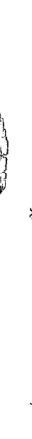
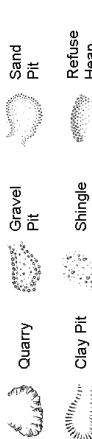
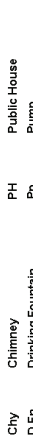
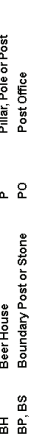
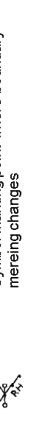
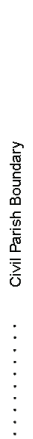
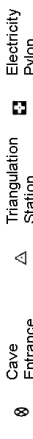
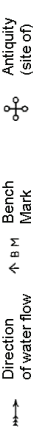
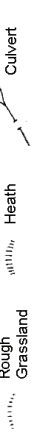
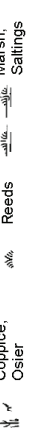
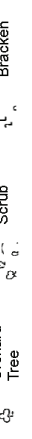
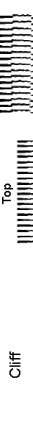
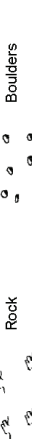
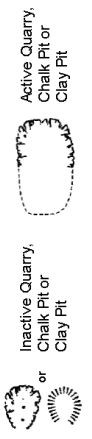
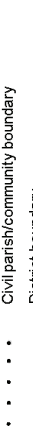
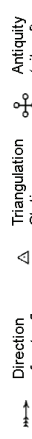
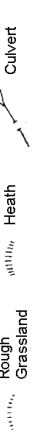
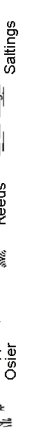
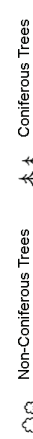
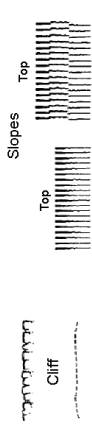


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Historical Mapping & Photography included:

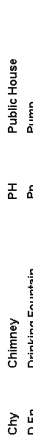
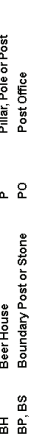
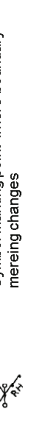
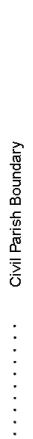
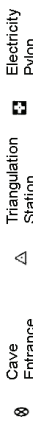
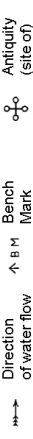
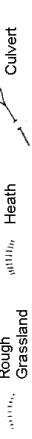
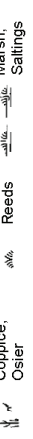
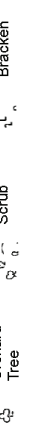
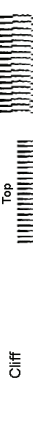
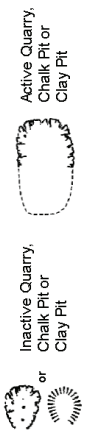
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Yorkshire	1:2,500	1906	3
Yorkshire	1:2,500	1919	4
Ordnance Survey Plan	1:2,500	1962	5
Supply of Unpublished Survey Information	1:2,500	1976	6
Additional SIMs	1:2,500	1978	7
Additional SIMs	1:2,500	1982 - 1988	8
Ordnance Survey Plan	1:2,500	1985	9
Large-Scale National Grid Data	1:2,500	1993	10

Large-Scale National Grid Data 1:2,500 and 1:1,250

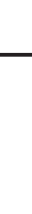
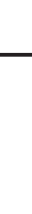
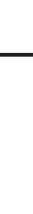
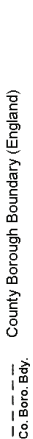
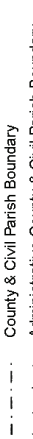
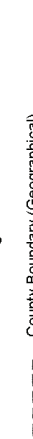
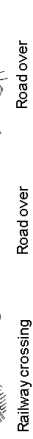
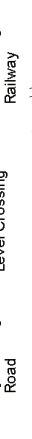
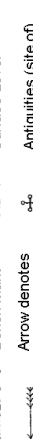
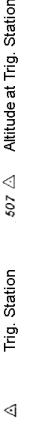
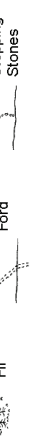
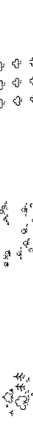
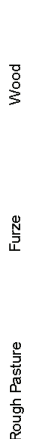
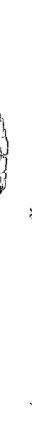
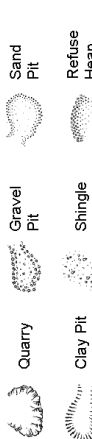


Historical Mapping Legends

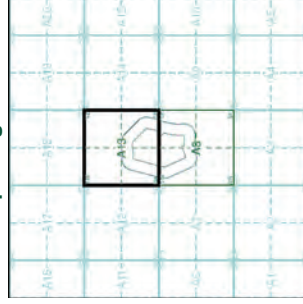
Ordnance Survey Plan, Additional SIMs and Supply of Unpublished Survey Information 1:2,500 and 1:1,250



Ordnance Survey County Series and Ordnance Survey Plan 1:2,500



Historical Map - Segment A13



Order Details

Order Number: 34193696_1_1
 Customer Ref: 33613/ASIKLGMJY
 National Grid Reference: 441230, 410260
 Site Area (Ha): 12.23
 Search Buffer (m): 100

Site Details

Willowgarth High School, Brierley Road, Grimethorpe, BARNESLEY, South Yorkshire, S72 7AJ



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 Fax: 0844 844 9951
 Web: www.envirocheck.co.uk
 A Landmark Information Group Service v42.0 16-Mar-2011 Page 1 of 10

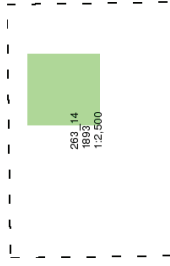
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Published 1893

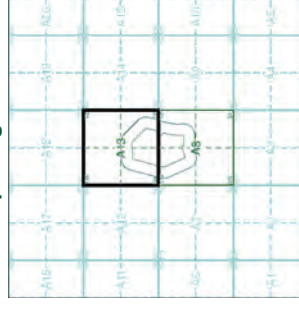
Source map scale - 1:2,500

The historical maps shown were reproduced from maps predominantly held at the Ordnance Survey, Warley and Scotland in the 1940s. In 1854, the Ordnance Survey was established and the first maps were produced. The published date given below is often some years later than the surveyed date. Before 1938 all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas.

Map Name(s) and Date(s)



Historical Map - Segment A13

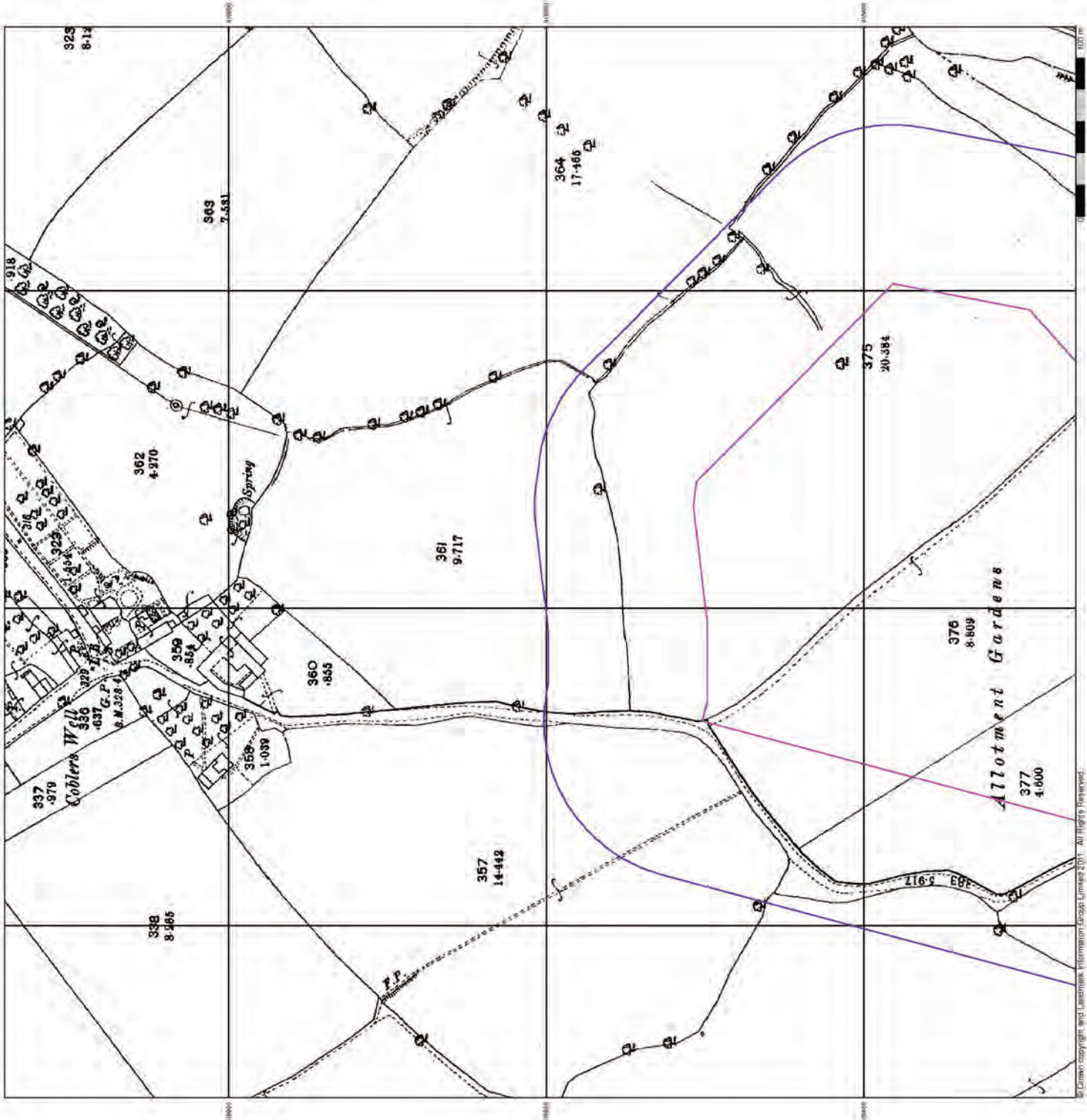


Order Details

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 Customer Ref: 33613/AS/KLGM/JY
 National Grid Reference: 441230, 410260
 Slice: A
 Site Area (Ha): 12.23
 Search Buffer (m): 100

Site Details

Willowgarth High School, Brierley Road, Grimethorpe, BARNESLEY, South Yorkshire, S72 7AJ



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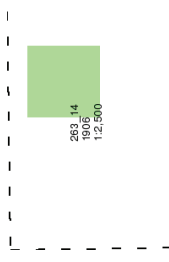
Yorkshire

Published 1906

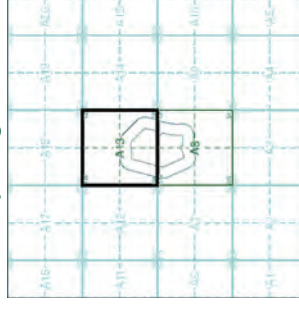
Source map scale - 1:2,500

The historical maps shown were reproduced from maps predominantly held at the Ordnance Survey, Warley and Scotland in the 1940s, 1954 and 1960. The maps were scanned and georeferenced by 1896. It is considered the scale of what was compiled to be the published parts of Great Britain. The published date given below is often some years later than the surveyed date. Before 1938 all OS maps were based on the Cassini Projection with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas.

Map Name(s) and Date(s)



Historical Map - Segment A13

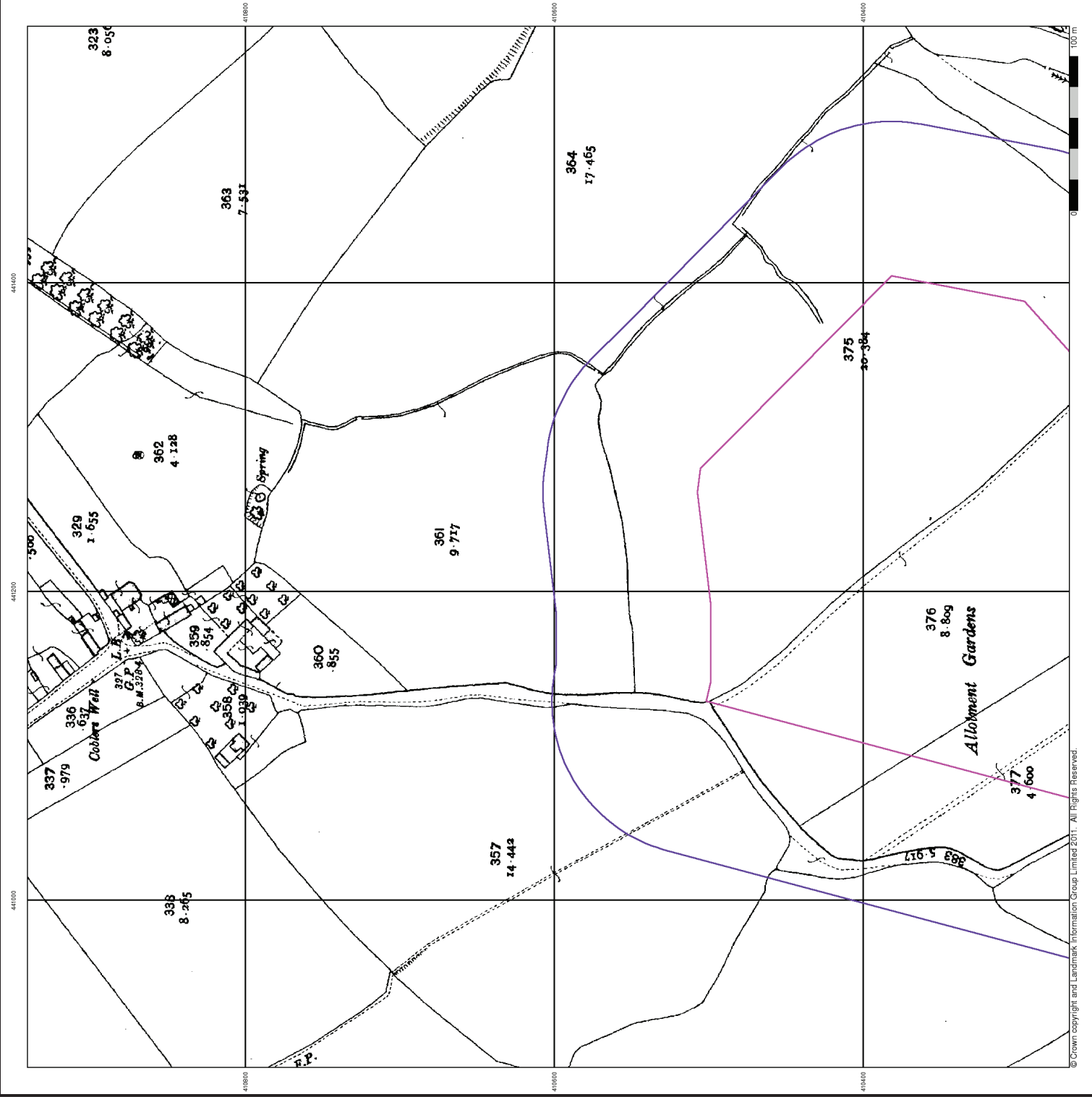


Order Details

Order Number: 34193696_1_1
 Customer Ref: 33613/AS/KLGM/JY
 National Grid Reference: 441230, 410260
 Slice: A
 Site Area (Ha): 12.23
 Search Buffer (m): 100

Site Details

Willowgarth High School, Brierley Road, Grimethorpe,
 BARNESLEY, South Yorkshire, S72 7AJ



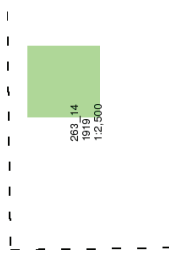
Yorkshire

Published 1919

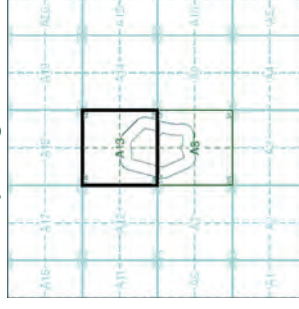
Source map scale - 1:2,500

The historical maps shown were reproduced from maps predominantly held at the Ordnance Survey office in Southampton in the 1940s. The maps were scanned at a scale of 1:2,500 and the original maps were produced by the Ordnance Survey in 1919. The published date given below is often some years later than the surveyed date. Before 1938 all OS maps were based on the Cassini Projection with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas.

Map Name(s) and Date(s)



Historical Map - Segment A13

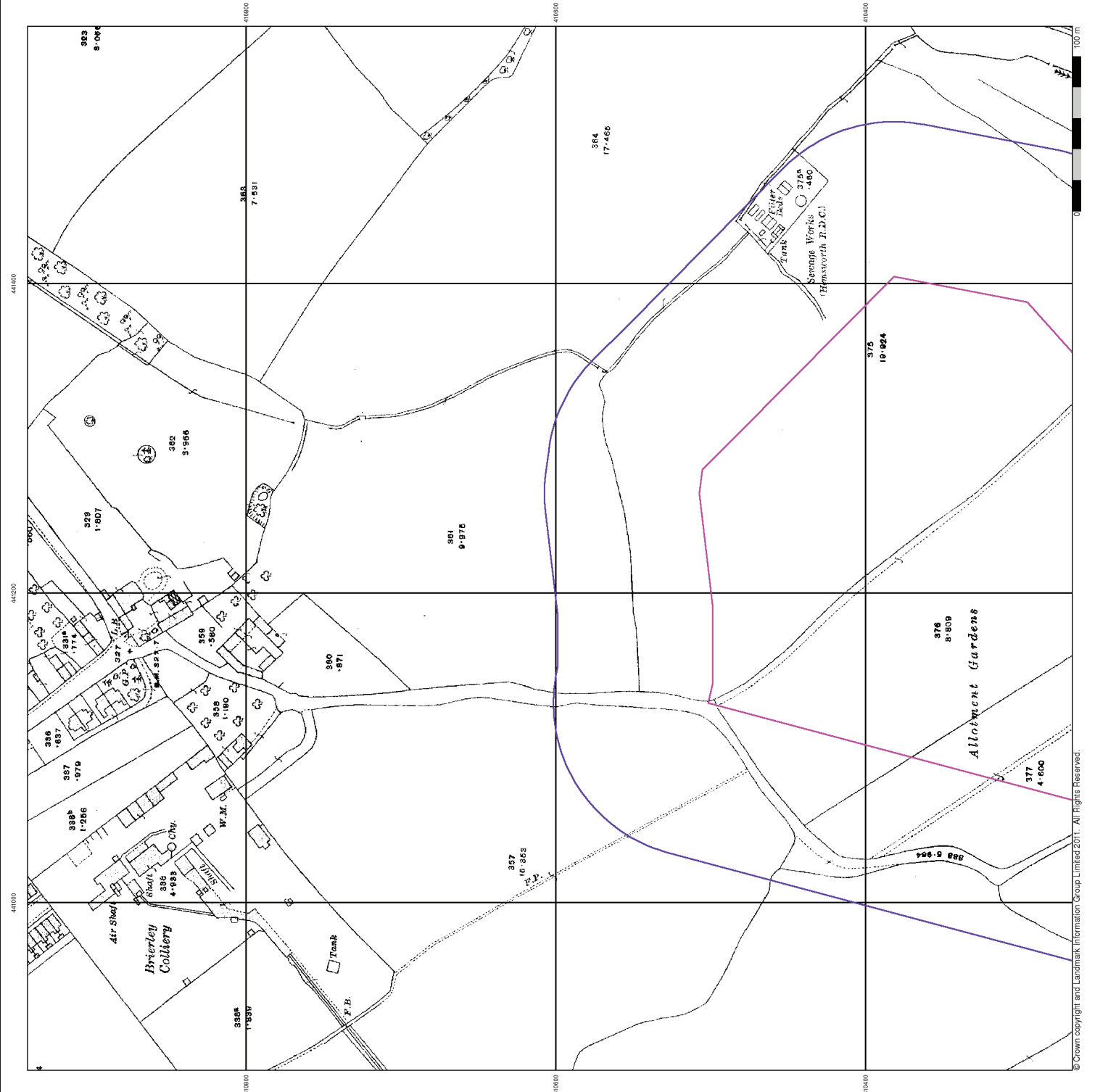


Order Details

Order Number: 34-193696_1_1
 Customer Ref: 33613/AS/KLGM/JY
 National Grid Reference: 441230, 410260
 Slice: A
 Site Area (Ha): 12.23
 Search Buffer (m): 100

Site Details

Willowgarth High School, Brierley Road, Grimethorpe, BARNESLEY, South Yorkshire, S72 7AJ

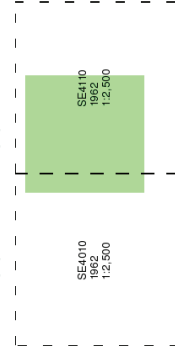


Ordnance Survey Plan Published 1962

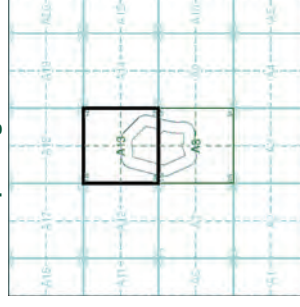
Source map scale - 1:2,500

The historical maps shown were reproduced from maps predominantly held at 1:2,500 scale for England, Wales and Scotland in the 1940s - 1954. The maps were updated to a scale of 1:2,500 and published by 1962. It is noted that the published date given below is often some years later than the surveyed date. Before 1938 all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas.

Map Name(s) and Date(s)



Historical Map - Segment A13

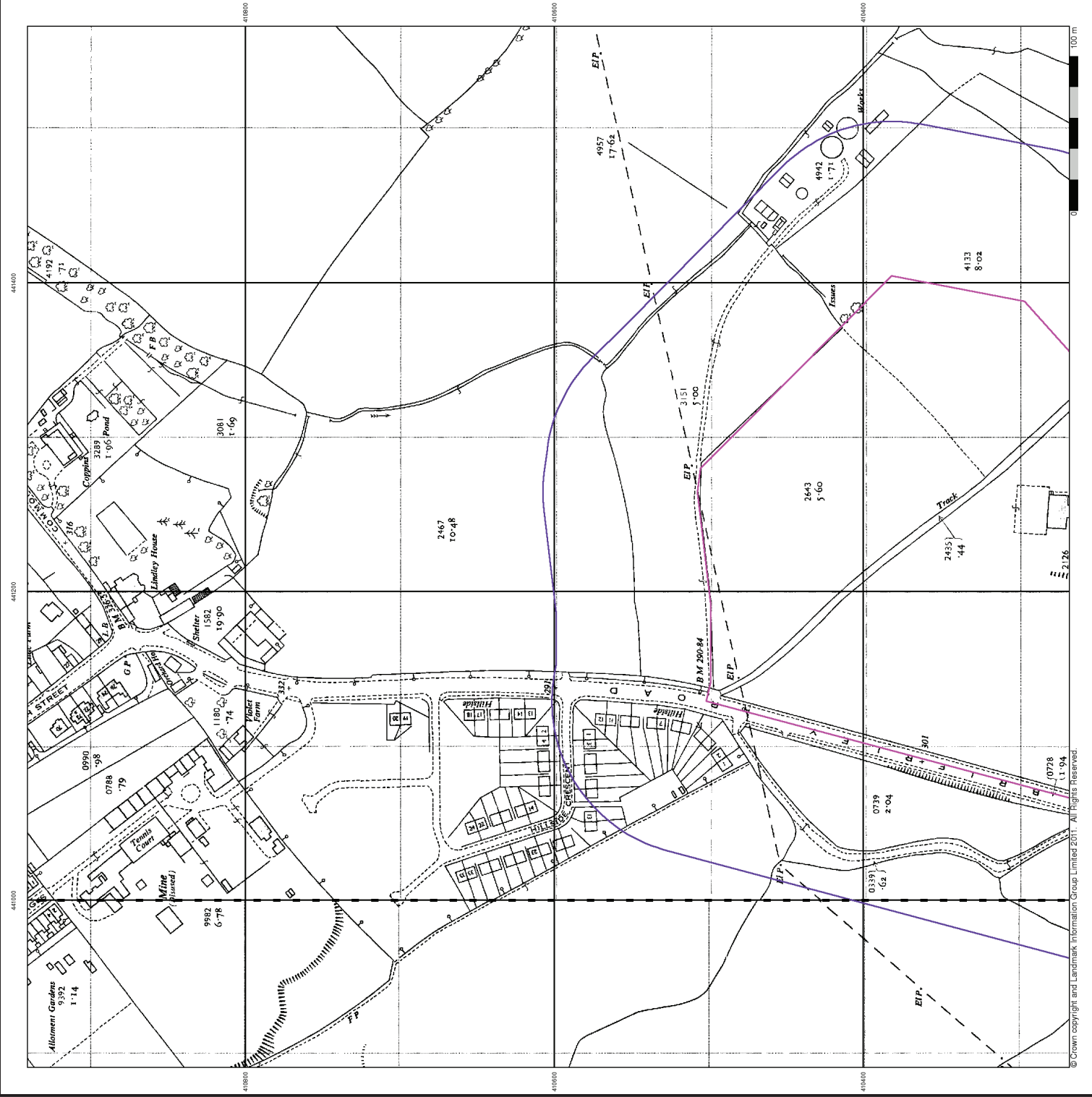


Order Details

Order Number: 347193696_1_1
 Customer Ref: 33613/AS/KLGM/JY
 National Grid Reference: 441230, 410260
 Slice: A
 Site Area (Ha): 12.23
 Search Buffer (m): 100

Site Details

Willowgarth High School, Brierley Road, Grimethorpe,
 BARNESLEY, South Yorkshire, S72 7AJ

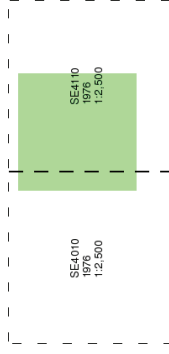


**Supply of Unpublished Survey Information
Published 1976**

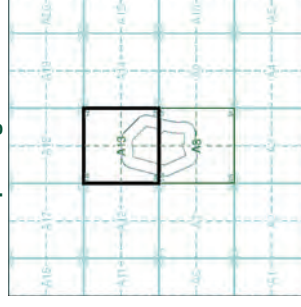
Source map scale - 1:2,500

SUSI maps (Supply of Unpublished Survey Information) were produced between 1972 and 1977, mainly for internal use at Ordnance Survey. These were more of a 'work-in-progress' plan, rather than a finished product, and were not intended for publication. These maps were published and the data converted to a single moment in time. They were produced at both 1:2,500 and 1:1,250 scales.

Map Name(s) and Date(s)



Historical Map - Segment A13

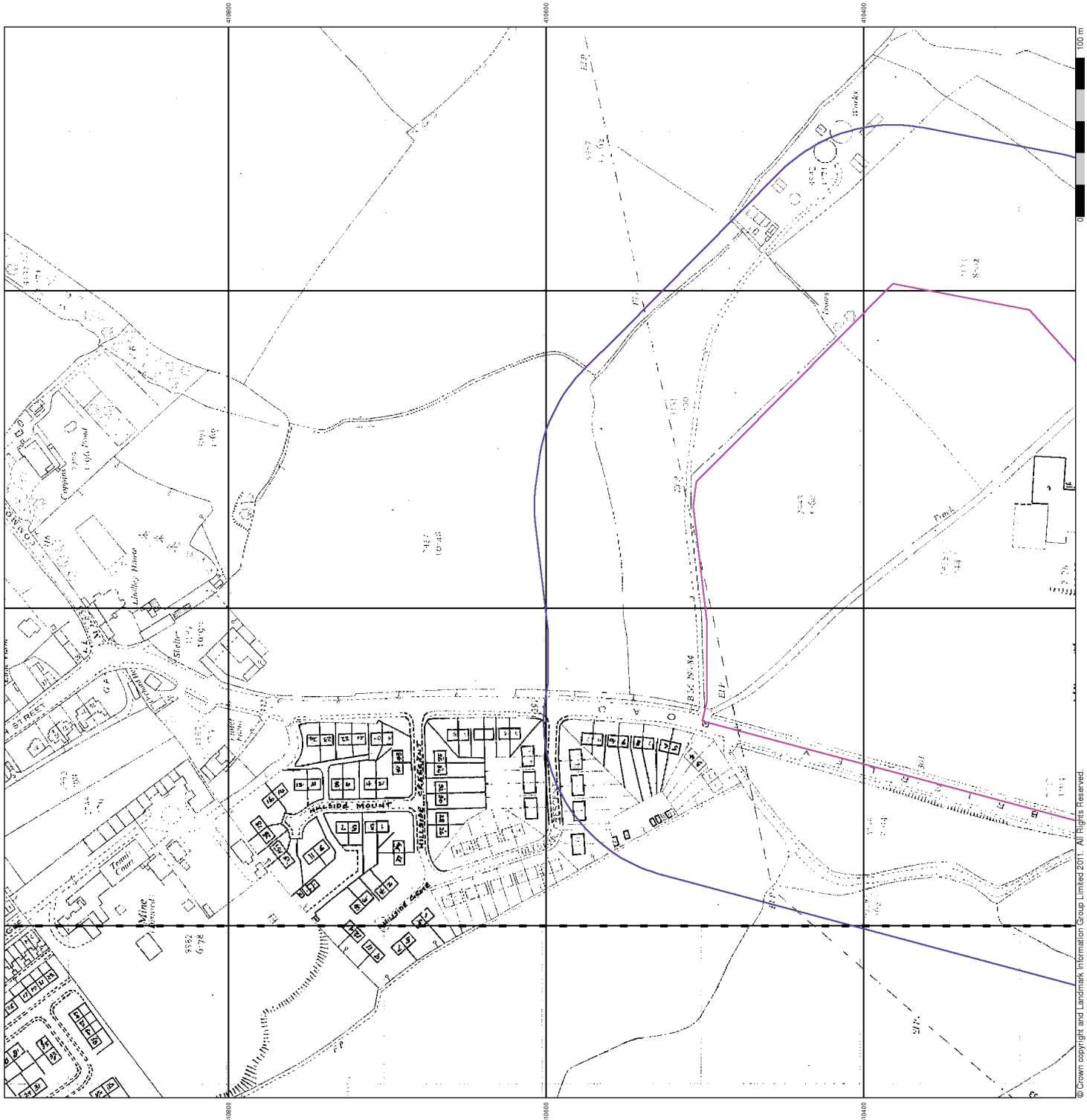


Order Details

Order Number: 347193696_1_1
 Customer Ref: 33613/AS/KLGM/JY
 National Grid Reference: 441230, 410260
 Slice: A
 Site Area (Ha): 12.23
 Search Buffer (m): 100

Site Details

Willowgarth High School, Brierley Road, Grimethorpe, BARNESLEY, South Yorkshire, S72 7AJ



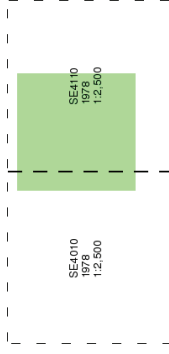
Additional SIMs

Published 1978

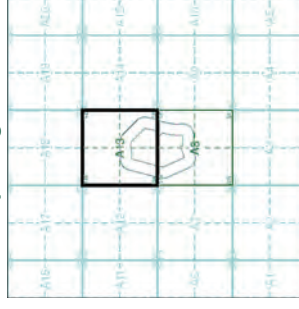
Source map scale - 1:2,500

The SIM cards (Ordnance Survey's 'Survey of Information on Microfilm') are either prior editions of the mapping which were produced and published in 1977 but which are now out of print, or they are the first edition of the maps from 1947 to 1994, and contain details of location on buildings, roads and land-use. These maps were produced at both 1:2,500 and 1:1,250 scales.

Map Name(s) and Date(s)



Historical Map - Segment A13

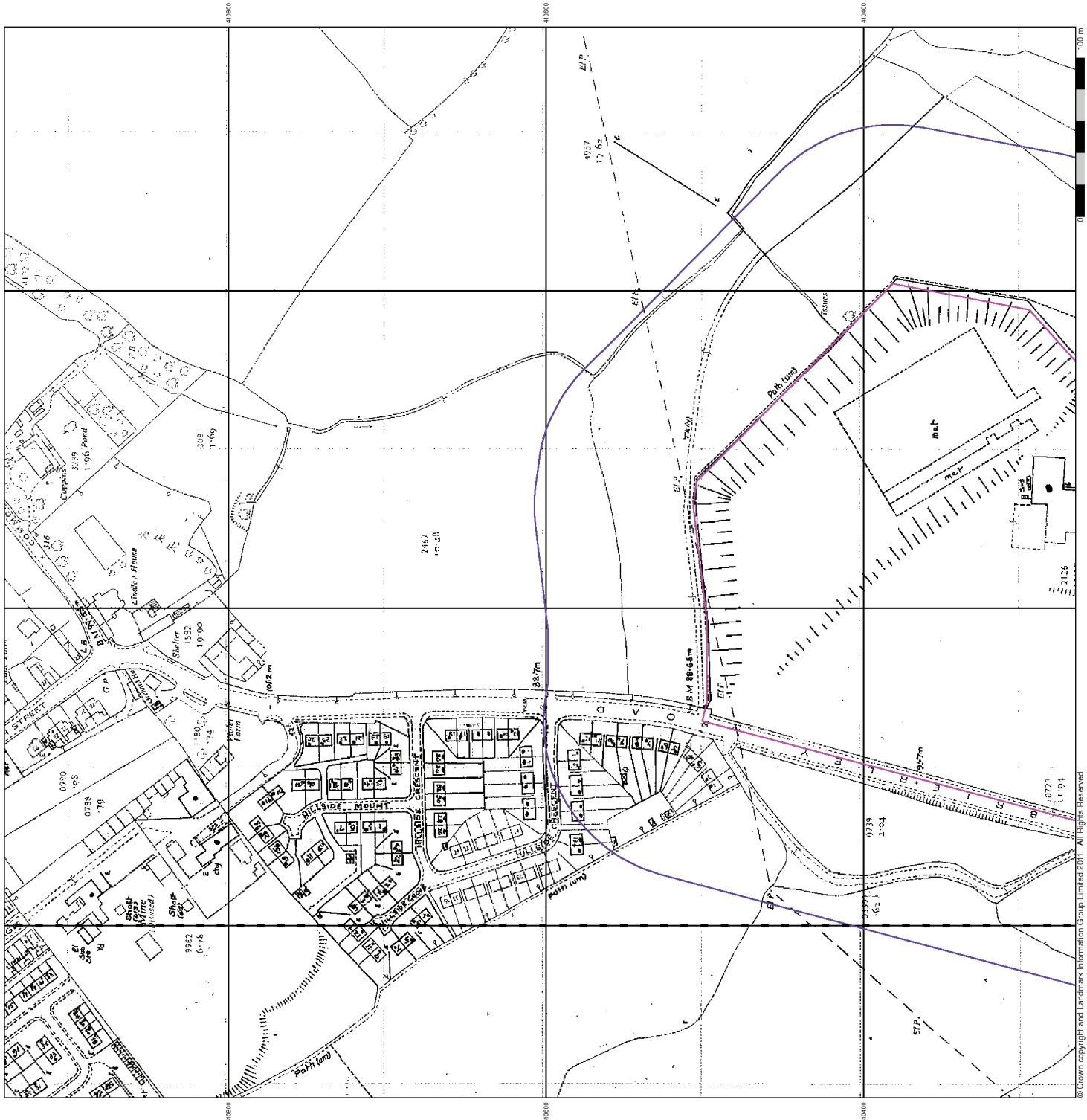


Order Details

Order Number: 347193696_1_1
 Customer Ref: 33613/AS/KLGMJY
 National Grid Reference: 441230, 410260
 Slice: A
 Site Area (Ha): 12.23
 Search Buffer (m): 100

Site Details

Willowgarth High School, Brierley Road, Grimethorpe, BARNESLEY, South Yorkshire, S72 7AJ

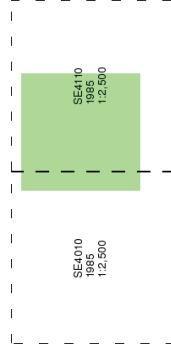


Ordnance Survey Plan Published 1985

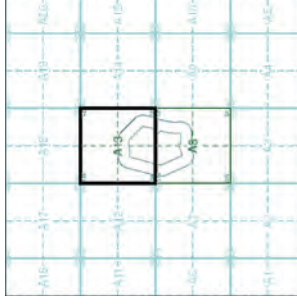
Source map scale - 1:2,500

The historical maps shown were reproduced from maps predominantly held at the Ordnance Survey, Great Britain and Ireland in the 1940s, 1950s, 1960s, 1970s, 1980s, 1990s and 2000s. The maps were scanned and georeferenced to the Ordnance Survey datum. The published date given below is often some years later than the surveyed date. Before 1938 all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas.

Map Name(s) and Date(s)



Historical Map - Segment A13

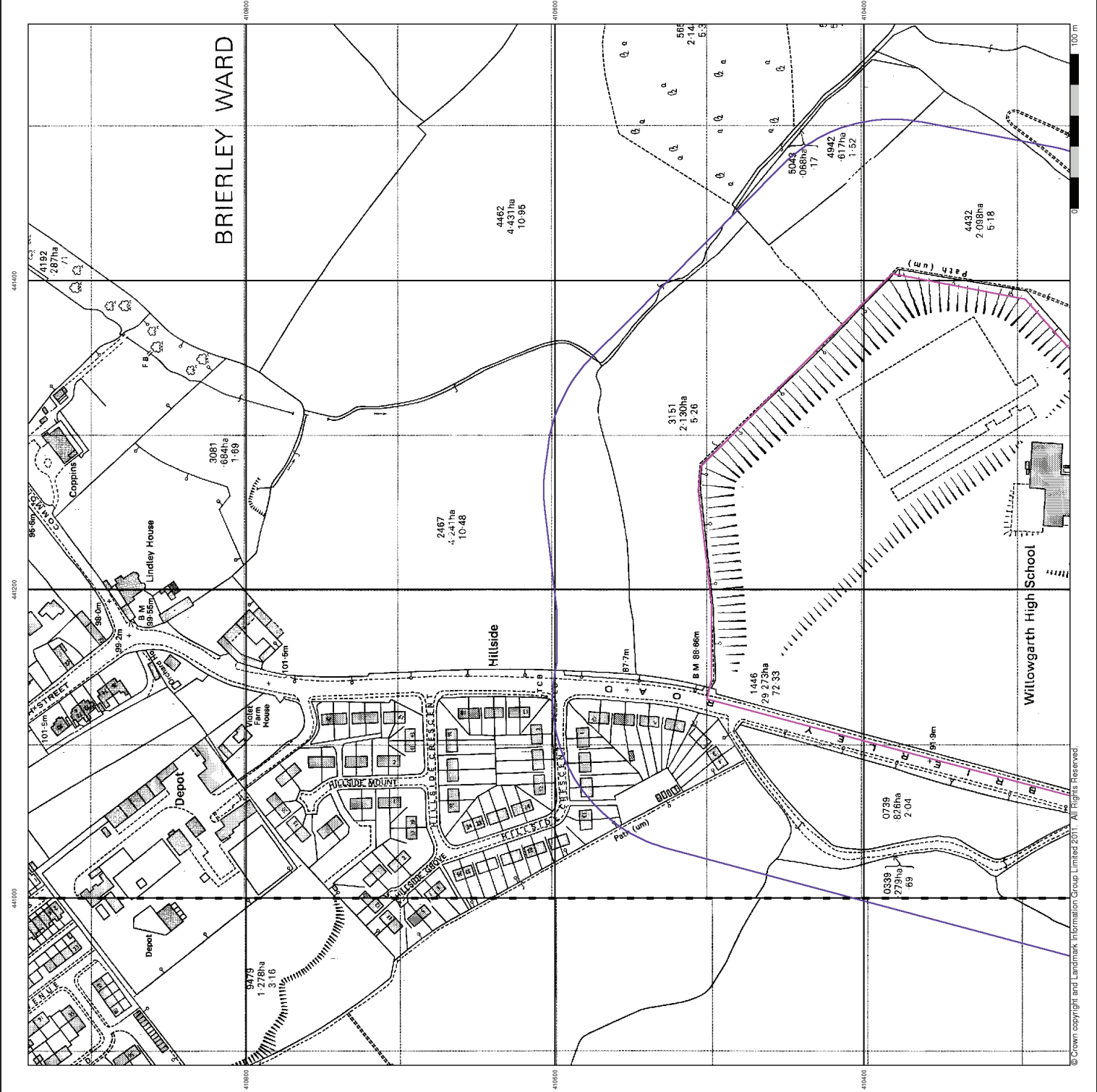


Order Details

Order Number: 34193696_1_1
 Customer Ref: 33613/AS/KLGM/JY
 National Grid Reference: 441230, 410260
 Slice: A
 Site Area (Ha): 12.23
 Search Buffer (m): 100

Site Details

Willowgarth High School, Brierley Road, Grimethorpe, BARNESLEY, South Yorkshire, S72 7AJ



Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Yorkshire	1:2,500	1893	2
Yorkshire	1:2,500	1906	3
Yorkshire	1:2,500	1919	4
Ordnance Survey Plan	1:2,500	1962	5
Ordnance Survey Plan	1:2,500	1973 - 1985	6
Supply of Unpublished Survey Information	1:2,500	1976	7
Additional SIMs	1:2,500	1978	8
Additional SIMs	1:2,500	1982 - 1988	9
Large-Scale National Grid Data	1:2,500	1993	10
Large-Scale National Grid Data	1:2,500	1996	11

Large-Scale National Grid Data 1:2,500 and 1:1,250

Large-Scale National Grid Data 1:2,500 and 1:1,250 Legend

- Cliff
- Rock
- Boulders
- Positioned Boulder
- Non-Coniferous Tree (surveyed)
- Non-Coniferous Trees (not surveyed)
- Orchard Tree
- Coppice, Osier
- Rough Grassland
- Direction of water flow
- Electricity Transmission Line
- Bench Mark
- Roofed Building
- Civil parish/community boundary
- District boundary
- County boundary
- Boundary post/stone
- Antiquity
- Triangulation Station
- Electricity Pylon
- Buildings with Building Seed
- Glazed Roof Building

Ordnance Survey Plan, Additional SIMs and Supply of Unpublished Survey Information 1:2,500 and 1:1,250

Ordnance Survey Plan, Additional SIMs and Supply of Unpublished Survey Information 1:2,500 and 1:1,250 Legend

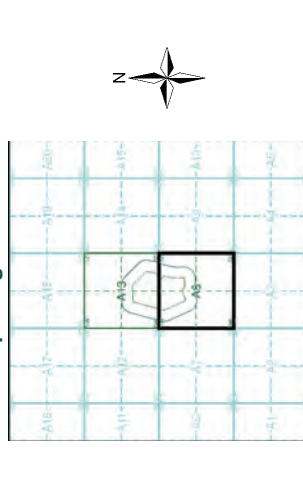
- Inactive Quarry, Chalk Pit or Clay Pit
- Active Quarry, Chalk Pit or Clay Pit
- Rock
- Boulders
- Roofed Building
- Sloping Masonry
- Archway
- Non-Coniferous Tree (surveyed)
- Non-Coniferous Trees (not surveyed)
- Orchard Tree
- Coppice, Osier
- Rough Grassland
- Direction of water flow
- Cave Entrance
- Electricity Transmission Line
- County Boundary (Geographical)
- County & Civil Parish Boundary
- Civil Parish Boundary
- Admin. County or County Bor. Boundary
- London Borough Boundary
- Symbol marking point where boundary mereing changes
- Beer House
- Boundary Post or Stone
- Capstan, Crane
- Chimney
- Drinking Fountain
- Electricity Pillar or Post
- Fire Alarm Pillar
- Foot Bridge
- Guide Post
- Hydrant or Hydraulic
- Level Crossing
- Manhole
- Mile Post or Mooring Post
- Mile Stone
- Normal/Tidal Limit
- Pillar, Pole or Post
- Post Office
- Public Convenience
- Public House
- Pump
- Signal Box or Bridge
- Spring
- Tank or Track
- Telephone Call Box
- Telephone Call Post
- Trough
- Water Point, Water Tap
- Well
- Wind Pump

Ordnance Survey County Series and Ordnance Survey Plan 1:2,500

Ordnance Survey County Series and Ordnance Survey Plan 1:2,500 Legend

- Quarry
- Clay Pit
- Sloping Masonry
- Marsh
- Rough Pasture
- Mixed Wood
- Fir
- Ferry
- Trig. Station
- Bench Mark
- Arrow denotes flow of water
- Cutting
- Railway crossing Road
- Railway crossing River or Canal
- County Boundary (Geographical)
- County & Civil Parish Boundary
- Administrative County & Civil Parish Boundary
- County Borough Boundary (England)
- County Borough Boundary (Scotland)
- Boundary Post or Stone
- Bridle Road
- Electricity Pylon
- Foot Bridge
- Foot Path
- Guide Post or Beard
- Mile Stone
- Mooring Post or Ring
- Sand Pit
- Refuse Heap
- Flat Rock
- Osiers
- Wood
- Orchard
- Stepping Stones
- Lock
- Altitude at Trig. Station
- Surface Level
- Antiquities (site of)
- Embankment
- Road crossing Railway
- Road over River or Canal
- Police Call Box
- Pump
- Signal Post
- Sluice
- Spring
- Telephone Call Box
- Trough
- Well

Historical Map - Segment A8



Order Details

Order Number: 34193696_1_1
 Customer Ref: 33613/ASIKLGMJY
 National Grid Reference: 441230, 410260
 Site: A
 Site Area (Ha): 12.23
 Search Buffer (m): 100

Site Details

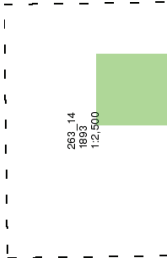
Willowgarth High School, Brierley Road, Grimethorpe, BARNESLEY, South Yorkshire, S72 7AU



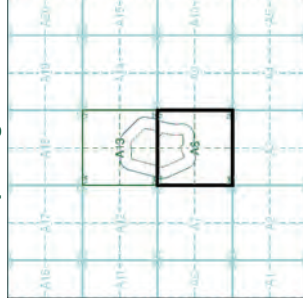
Tel: 0844 844 9852
 Fax: 0844 844 9851
 Web: www.envirocheck.co.uk

The historical maps shown were reproduced from maps predominantly held at the Ordnance Survey, which were adopted for England, Wales and Scotland in the 1940s. The maps were first published in 1854 and were revised and updated by the Ordnance Survey until 1986. It is important to note that the published date given below is often some years later than the actual date of the original map. Before 1938 all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas.

Map Name(s) and Date(s)



Historical Map - Segment A8

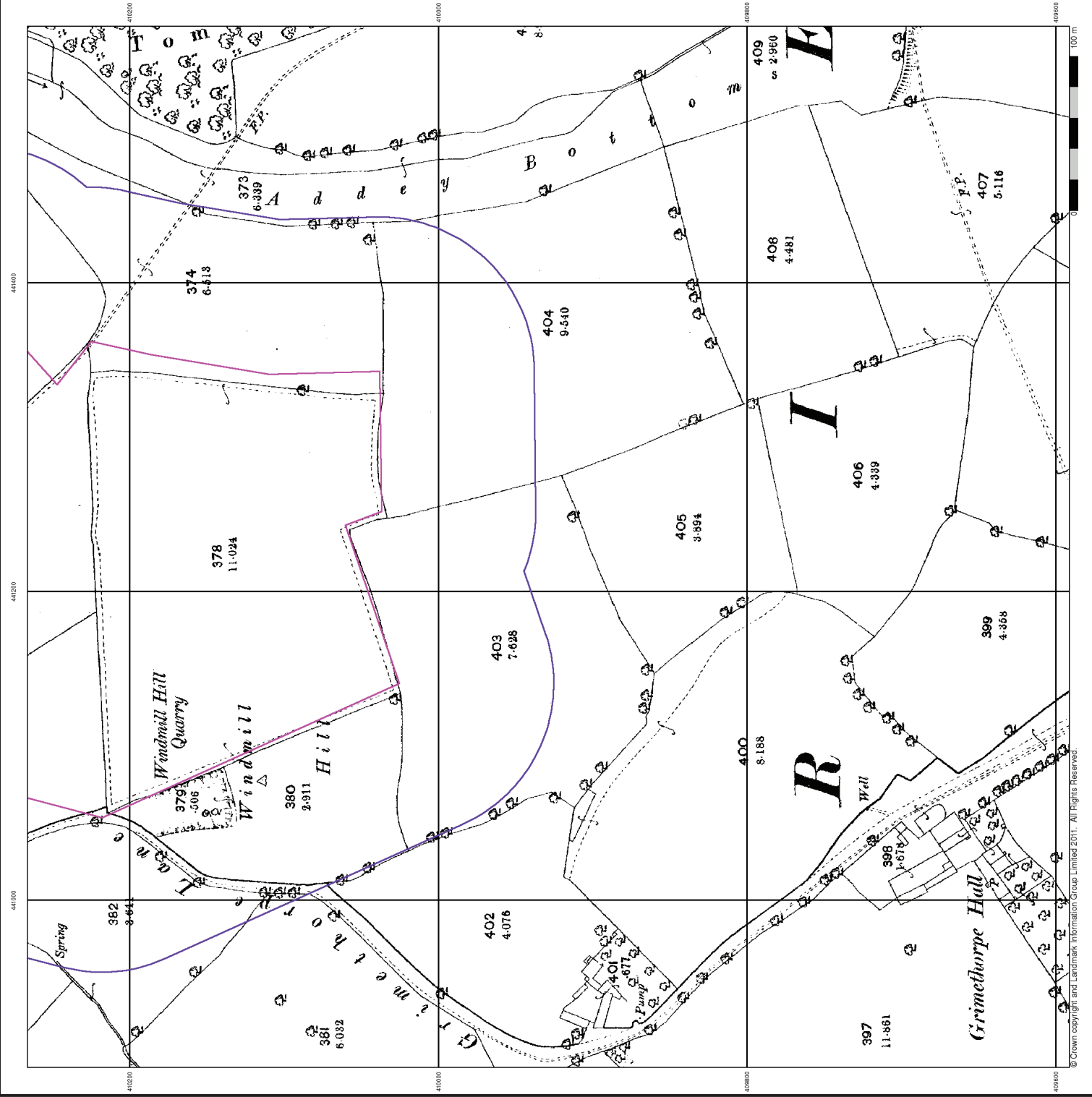


Order Details

Order Number: 34193696_1_1
 Customer Ref: 33613/AS/KLGM/JY
 National Grid Reference: 441230, 410260
 Slice: A
 Site Area (Ha): 12.23
 Search Buffer (m): 100

Site Details

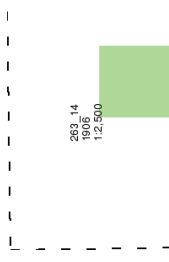
Willowgarth High School, Brierley Road, Grimethorpe, BARNESLEY, South Yorkshire, S72 7AJ



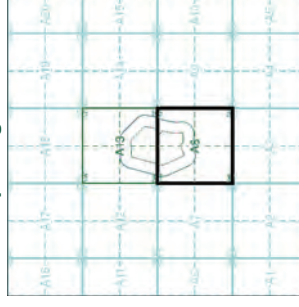
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The historical maps shown were reproduced from maps predominantly held at the Ordnance Survey office in Southampton in the 1940s. The maps were first published for England, Wales and Scotland in the 1840s, 1854 and 1861 respectively. The maps were then revised and reissued in 1886. It is considered that the published date given below is often some years later than the surveyed date. Before 1938 all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas.

Map Name(s) and Date(s)



Historical Map - Segment A8

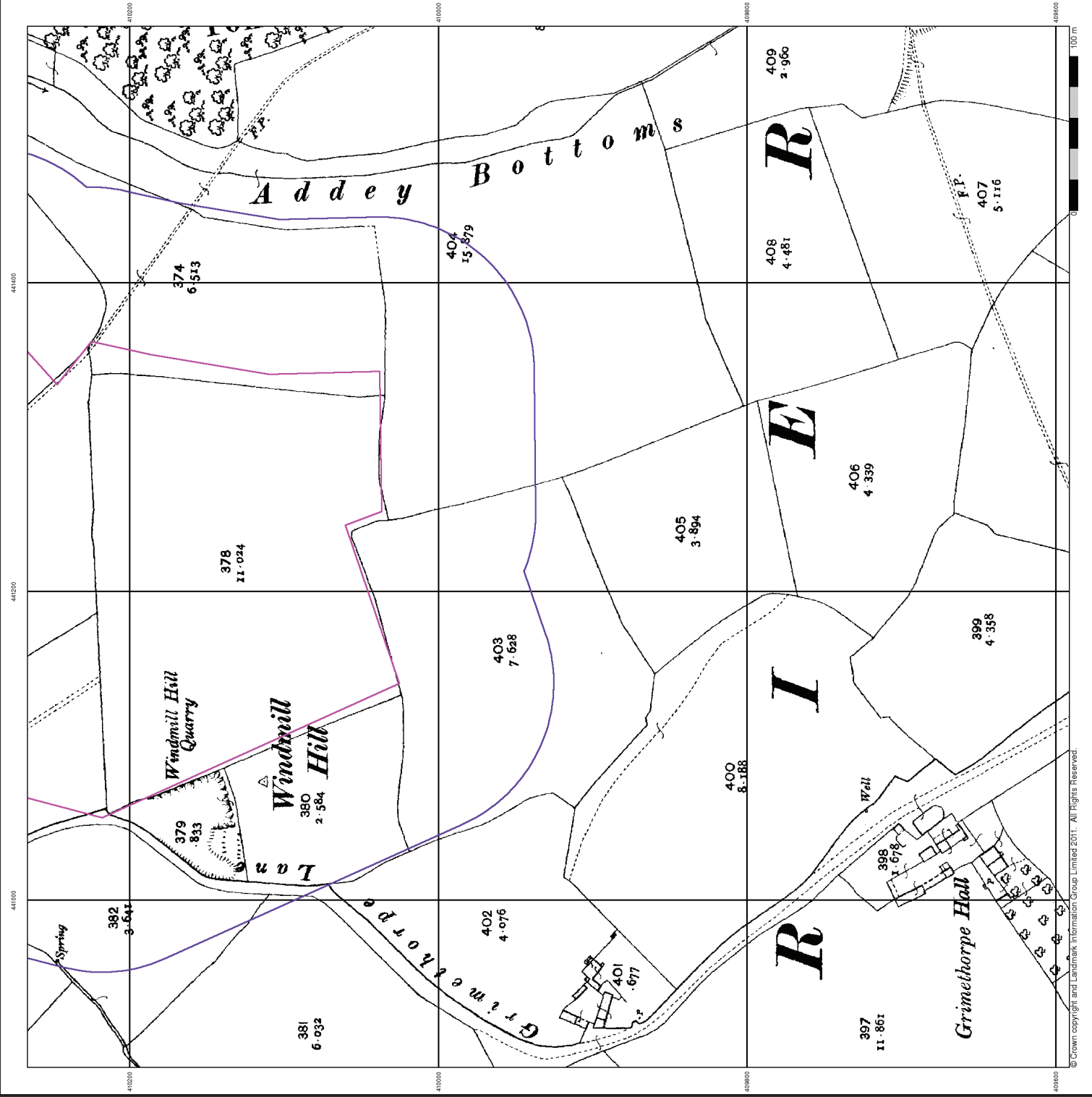


Order Details

Order Number: 34193696_1_1
 Customer Ref: 33613/AS/KLGM/JY
 National Grid Reference: 441230, 410260
 Slice: A
 Site Area (Ha): 12.23
 Search Buffer (m): 100

Site Details

Willowgarth High School, Brierley Road, Grimethorpe, BARNESLEY, South Yorkshire, S72 7AJ



Ordnance Survey Plan Published 1962

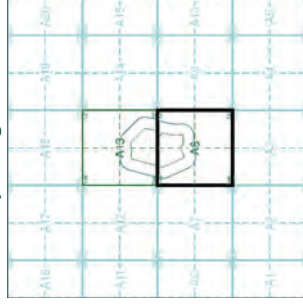
Source map scale - 1:2,500

The historical maps shown were reproduced from maps predominantly held at the Ordnance Survey, (Great Britain and Ireland) in the 1940s. In 1854, the Ordnance Survey was established and the first 2500 scale map was published in 1862. It covered the whole of what was considered to be the cultivated parts of Great Britain. The published date given below is often some years later than the surveyed date. Before 1938 all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas.

Map Name(s) and Date(s)

SE 4010	1962	12,500
SE 4010	1962	12,500
SE 4009	1962	12,500
SE 4009	1962	12,500

Historical Map - Segment A8



Order Details

Order Number: 34193696_1_1
 Customer Ref: 33613/ASIKLGMJY
 National Grid Reference: 441230, 410260
 Slice: A
 Site Area (Ha): 12.23
 Search Buffer (m): 100

Site Details

Willowgarth High School, Brierley Road, Grimethorpe, BARNESLEY, South Yorkshire, S72 7AJ



Ordnance Survey Plan

Published 1973 - 1985

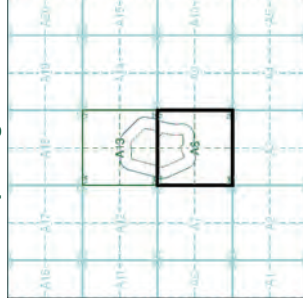
Source map scale - 1:2,500

The historical maps shown were reproduced from maps predominantly held at the Ordnance Survey offices in England, Wales and Scotland in the 1940s, 1954 and 1960s. The maps were scanned and digitised by 1986. It is considered the published date given below to be the calibrated parts of Great Britain. The published date given below is often some years later than the surveyed date. Before 1938 all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas.

Map Name(s) and Date(s)

SE 4010	1985	12,500
SE 4110	1985	12,500
SE 4009	1973	12,500
SE 4109	1973	12,500

Historical Map - Segment A8

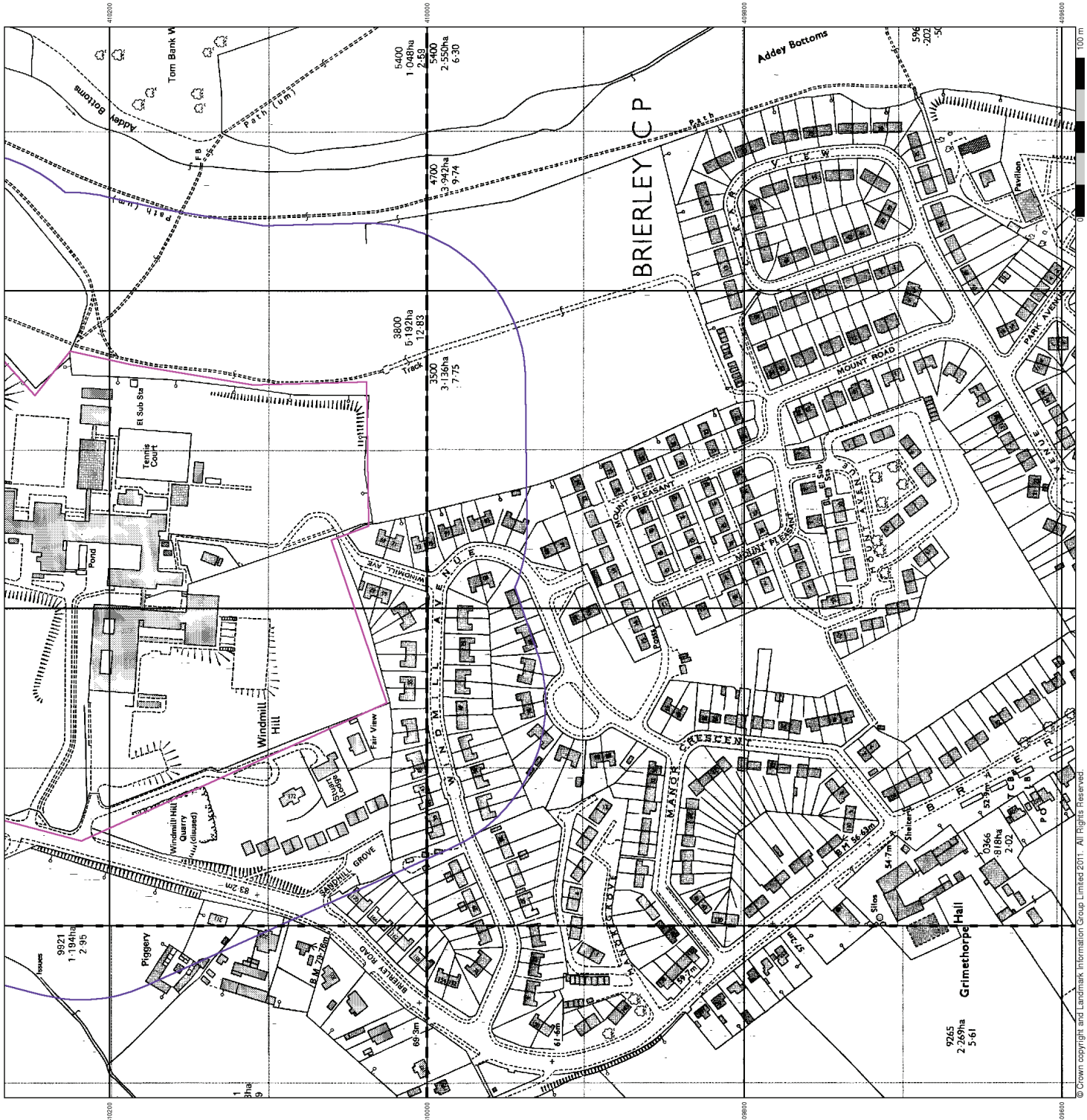


Order Details

Order Number: 347193696_1_1
 Customer Ref: 33613/ASIKLGMJY
 National Grid Reference: 441230, 410260
 Slice: A
 Site Area (Ha): 12.23
 Search Buffer (m): 100

Site Details

Willowgarth High School, Brierley Road, Grimethorpe, BARNESLEY, South Yorkshire, S72 7AJ



Supply of Unpublished Survey Information

Published 1976

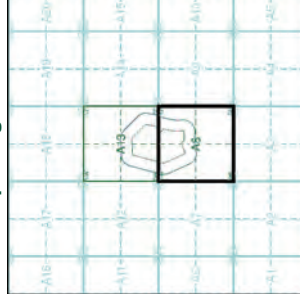
Source map scale - 1:2,500

SUSI maps (Supply of Unpublished Survey Information) were produced between 1972 and 1977, mainly for internal use at Ordnance Survey. These were more of a work-in-progress. Plans published by Ordnance Survey at a later date are not necessarily based on the same data as the SUSI maps. These maps were published at a single moment in time. They were produced at both 1:2,500 and 1:1,250 scales.

Map Name(s) and Date(s)

SE4010	SE4110
1976	1976
1:2,500	1:2,500

Historical Map - Segment A8

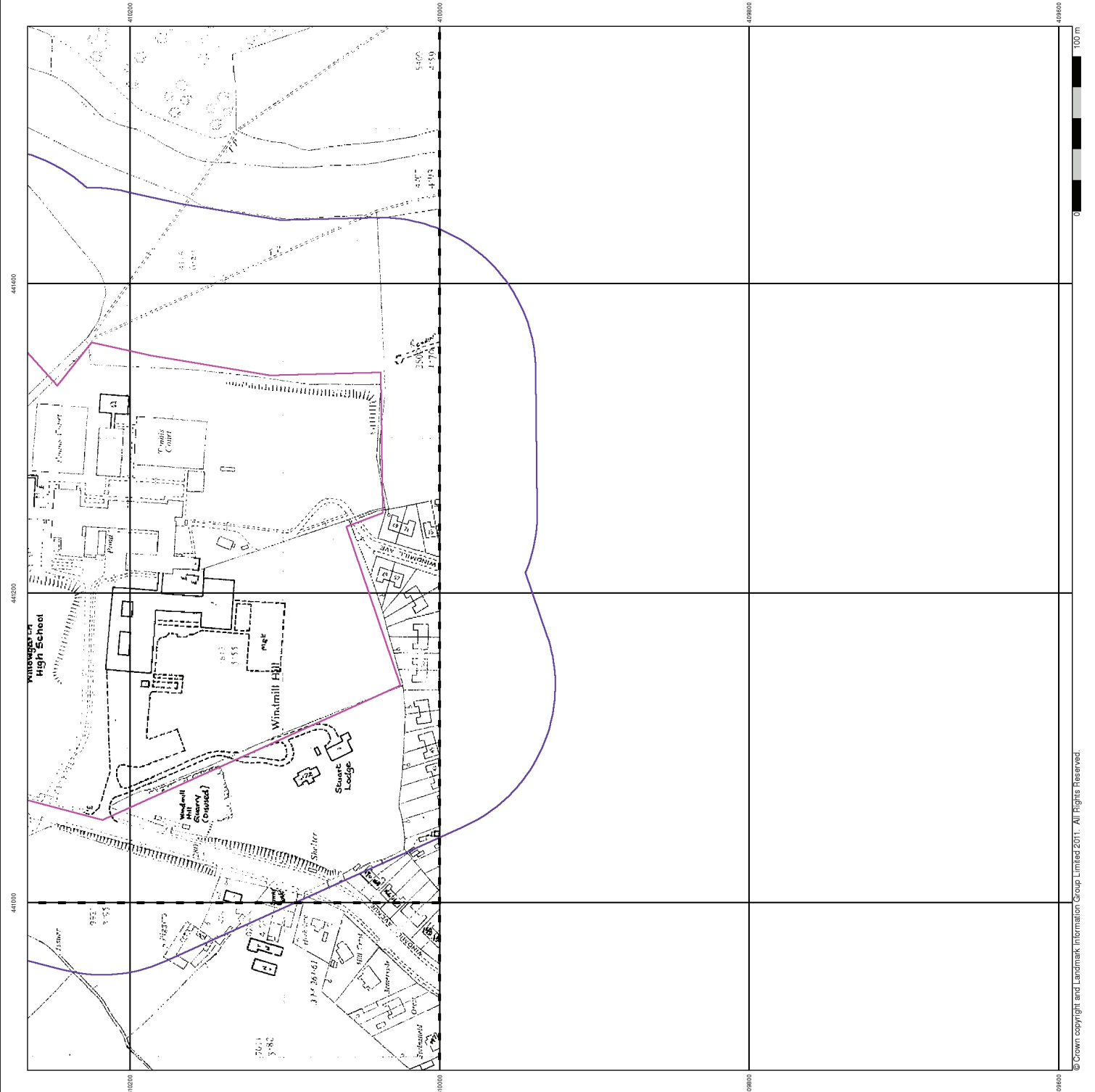


Order Details

Order Number: 34193696_1_1
 Customer Ref: 33613/AS/KLG/MJY
 National Grid Reference: 441230, 410260
 Slice: A
 Site Area (Ha): 12.23
 Search Buffer (m): 100

Site Details

Willowgarth High School, Brierley Road, Grimethorpe, BARNESLEY, South Yorkshire, S72 7AJ



Additional SIMS

Published 1978

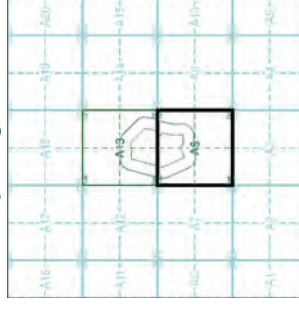
Source map scale - 1:2,500

The SIM cards (Ordnance Survey's 'Survey of Information on Microfilm') are their prior editions of mapping which were produced and published in 1977 but the data is from the original survey conducted in 1947 to 1994, and contain details of information on buildings, roads and land-use. These maps were produced at both 1:2,500 and 1:1,250 scales.

Map Name(s) and Date(s)

SE 4010	SE 4110
1978	1978
1:2,500	1:2,500
SE 4009	SE 4009
1978	1978
1:2,500	1:2,500

Historical Map - Segment A8

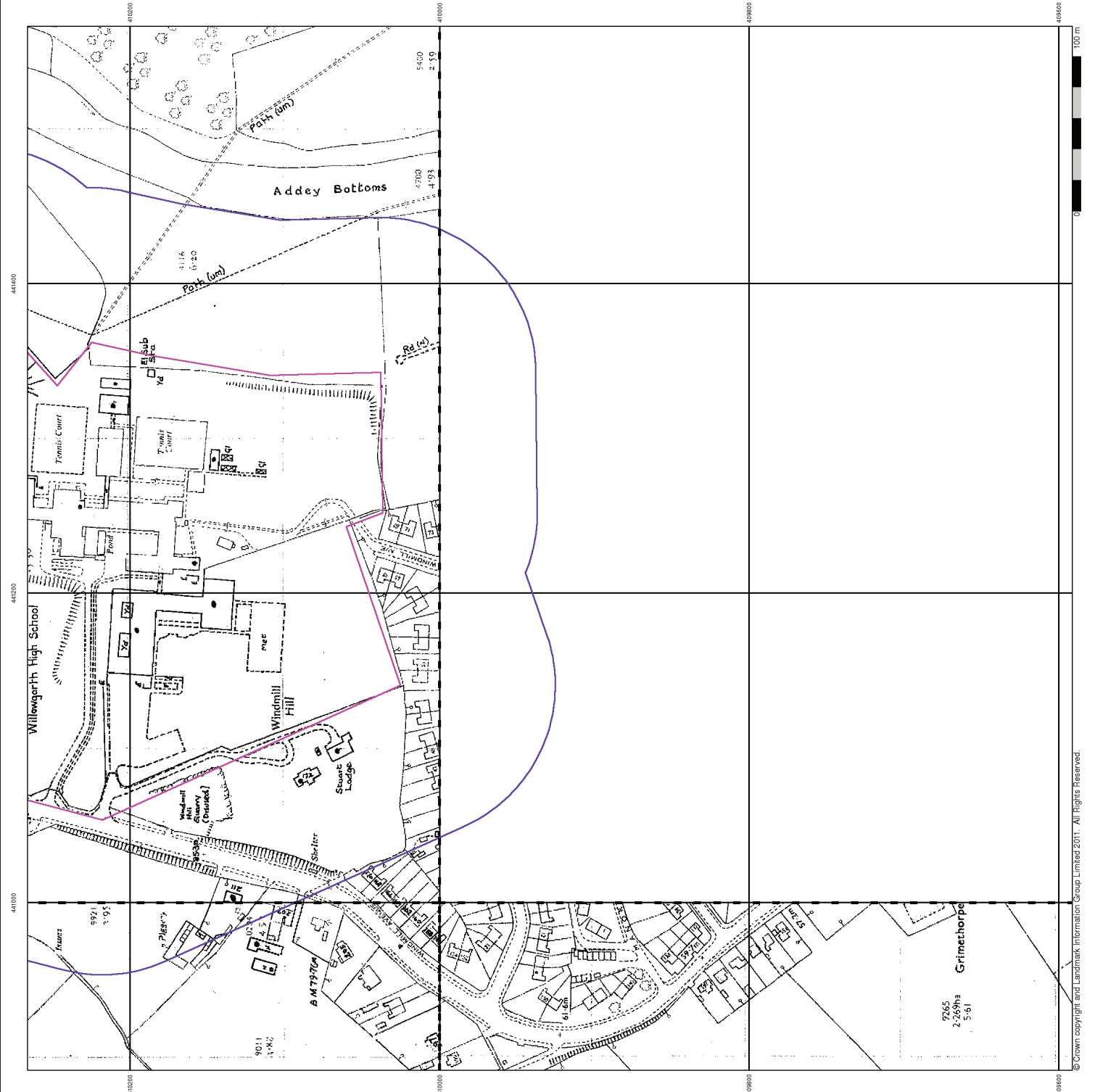


Order Details

Order Number: 34193696_1_1
 Customer Ref: 33613/AS/KLG/MJY
 National Grid Reference: 441230, 410260
 Slice: A
 Site Area (Ha): 12.23
 Search Buffer (m): 100

Site Details

Willowgarth High School, Brierley Road, Grimethorpe, BARNESLEY, South Yorkshire, S72 7AJ



Large-Scale National Grid Data

Published 1993

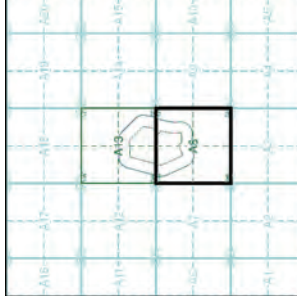
Source map scale - 1:2,500

Large Scale National Grid Data superseded SIM cards (Ordnance Survey's information on MicroSIM) in 1992, and continued to be produced until 1993. These maps were originally designed as a digital mapping tool, providing detailed information on houses and roads, but lacking topographic features such as vegetation. These maps were produced at both 1:2,500 and 1:1,250 scales.

Map Name(s) and Date(s)

SE4010	SE4110
1993	1993
1:2,500	1:2,500
SE4009	SE4109
1993	1993
1:2,500	1:2,500

Historical Map - Segment A8



Order Details

Order Number: 34193696_1_1
 Customer Ref: 33613/AS/KLG/MJY
 National Grid Reference: 441230, 410260
 Slice: A
 Site Area (Ha): 12.23
 Search Buffer (m): 100

Site Details

Willowgarth High School, Brierley Road, Grimethorpe, BARNESLEY, South Yorkshire, S72 7AJ



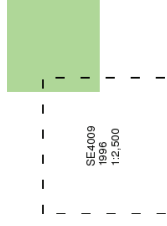
Large-Scale National Grid Data

Published 1996

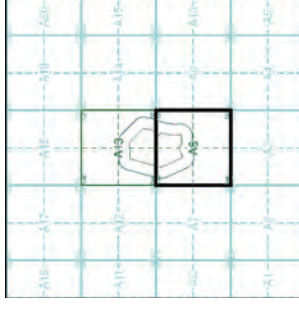
Source map scale - 1:2,500

Large Scale National Grid Data' superseded SIM cards (Ordnance Survey's Simulation on Microfilm) in 1992, and continued to be produced until 1999. These maps are digital mapping and provide detailed information on houses and roads, but tend to miss topographic features such as vegetation. These maps were produced at both 1:2,500 and 1:1,250 scales.

Map Name(s) and Date(s)



Historical Map - Segment A8

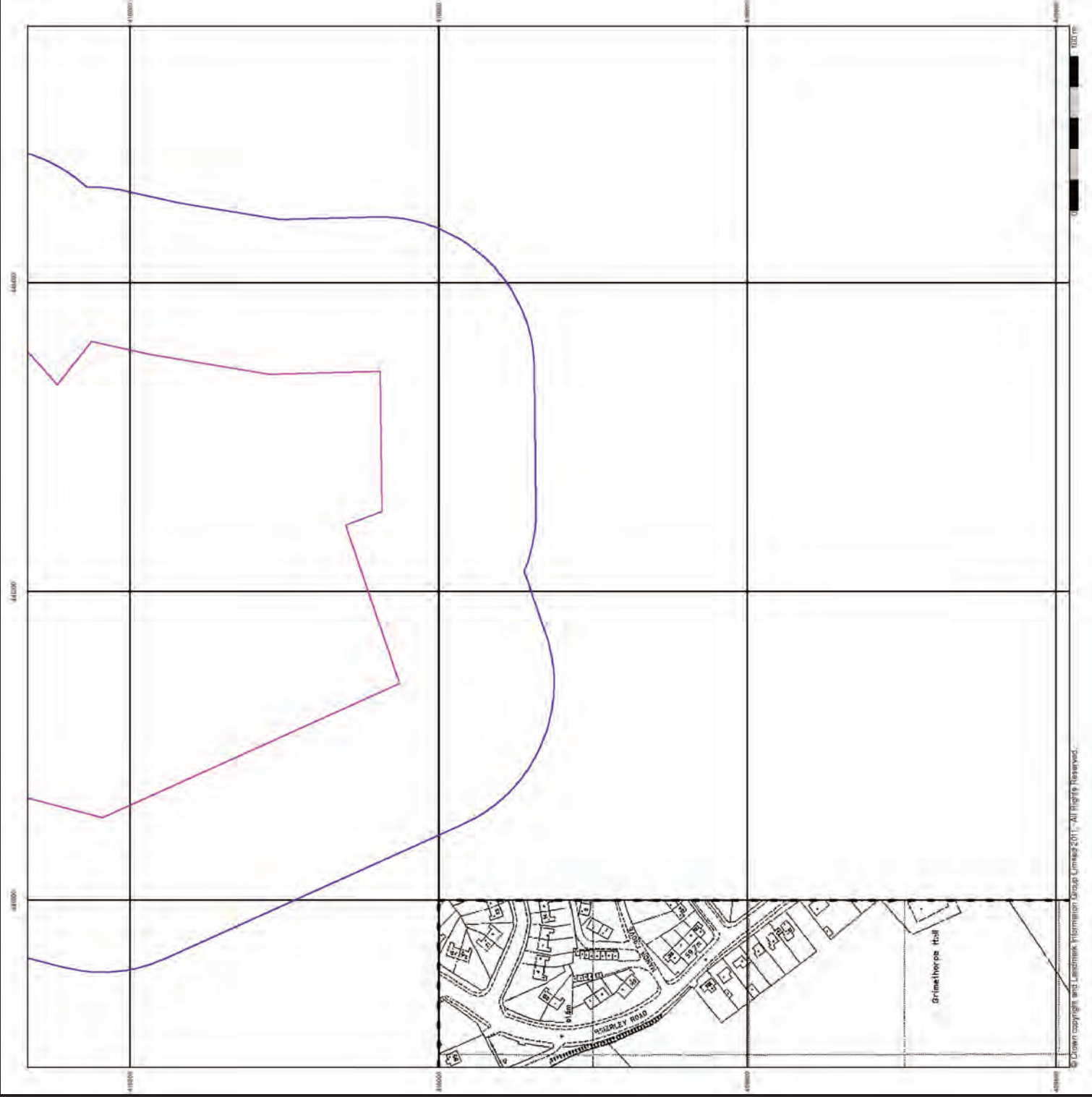


Order Details

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 Search Buffer (m): 100

Site Details

Willowgarth High School, Brierley Road, Grimethorpe,
 BARNSELEY, South Yorkshire, S72 7AJ



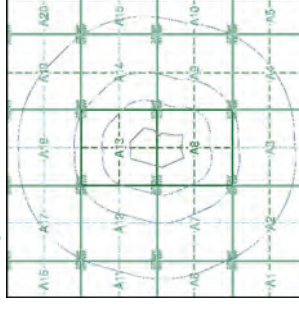
General

- Specified Site
- Specified Buffer(s)
- X Bearing Reference Point

Agency and Hydrological (Flood)

- Extreme Flooding from Rivers or Sea without Defences (Zone 2)
- Flooding from Rivers or Sea without Defences (Zone 3)
- Area Benefiting from Flood Defence
- Flood Water Storage Areas
- Flood Defence

Flood Map - Slice A

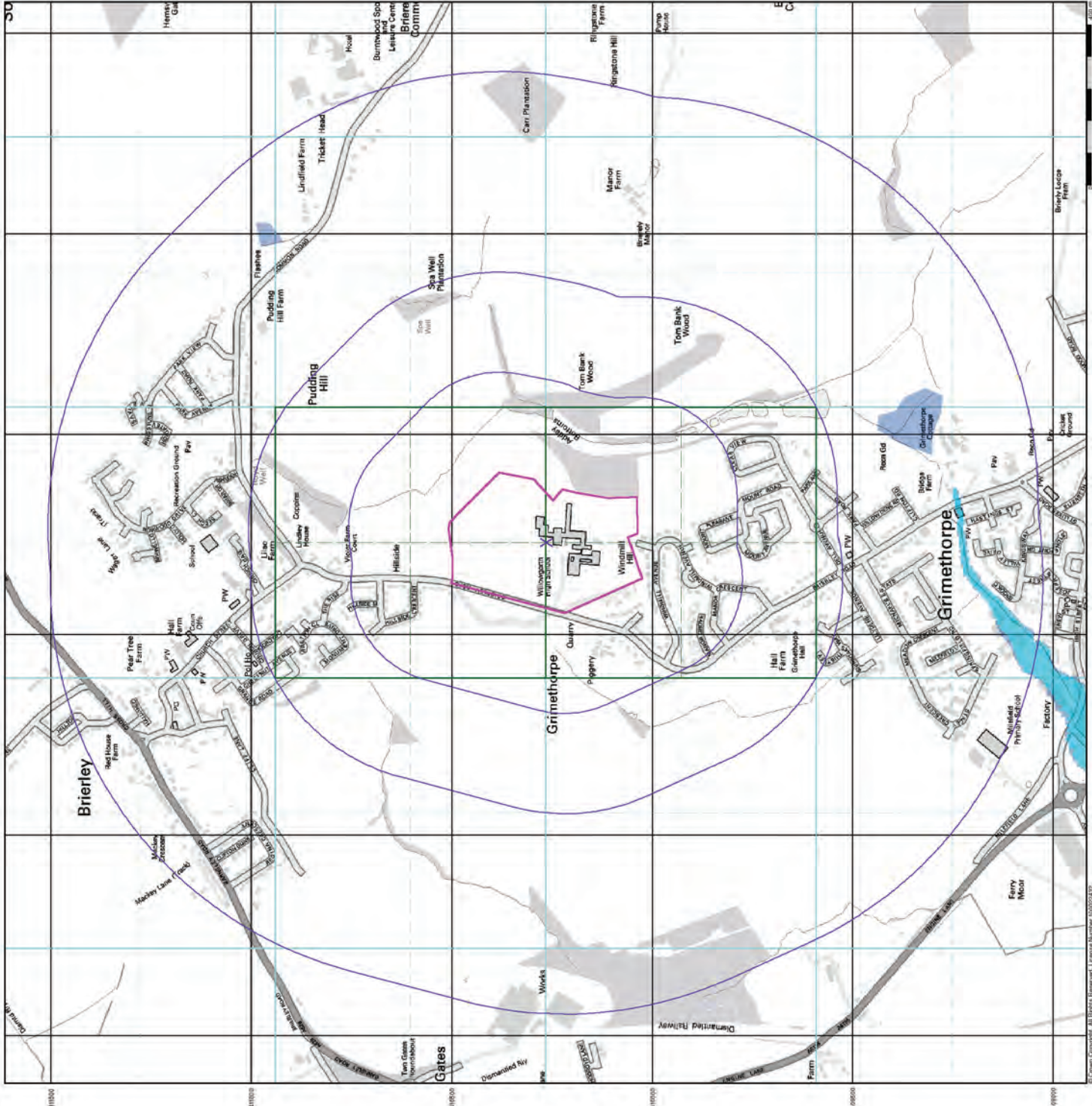


Order Details

Order Number: 34193696_1_1
 Customer Ref: 33613/AS/KLGM/JY
 National Grid Reference: 441230, 410260
 Site: A
 Site Area (Ha): 12.23
 Search Buffer (m): 1000

Site Details

Willowgarth High School, Brierley Road, Grimethorpe, BARNESLEY, South Yorkshire, S72 7AJ



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General

- Specified Site
- Specified Buffer(s)
- ✕ Bearing Reference Point
- Map ID
- Several of Type at Location

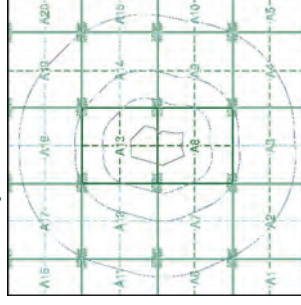
Agency and Hydrological (Boreholes)

- BGS Borehole Depth 0 - 10m
- BGS Borehole Depth 10 - 30m
- BGS Borehole Depth 30m +
- Confidential
- Other

For Borehole information please refer to the Borehole datasheet which accompanied this slice.

A copy of the BGS Borehole Ordering Form is available to download from the Support section of www.envirocheck.co.uk.

Borehole Map - Slice A

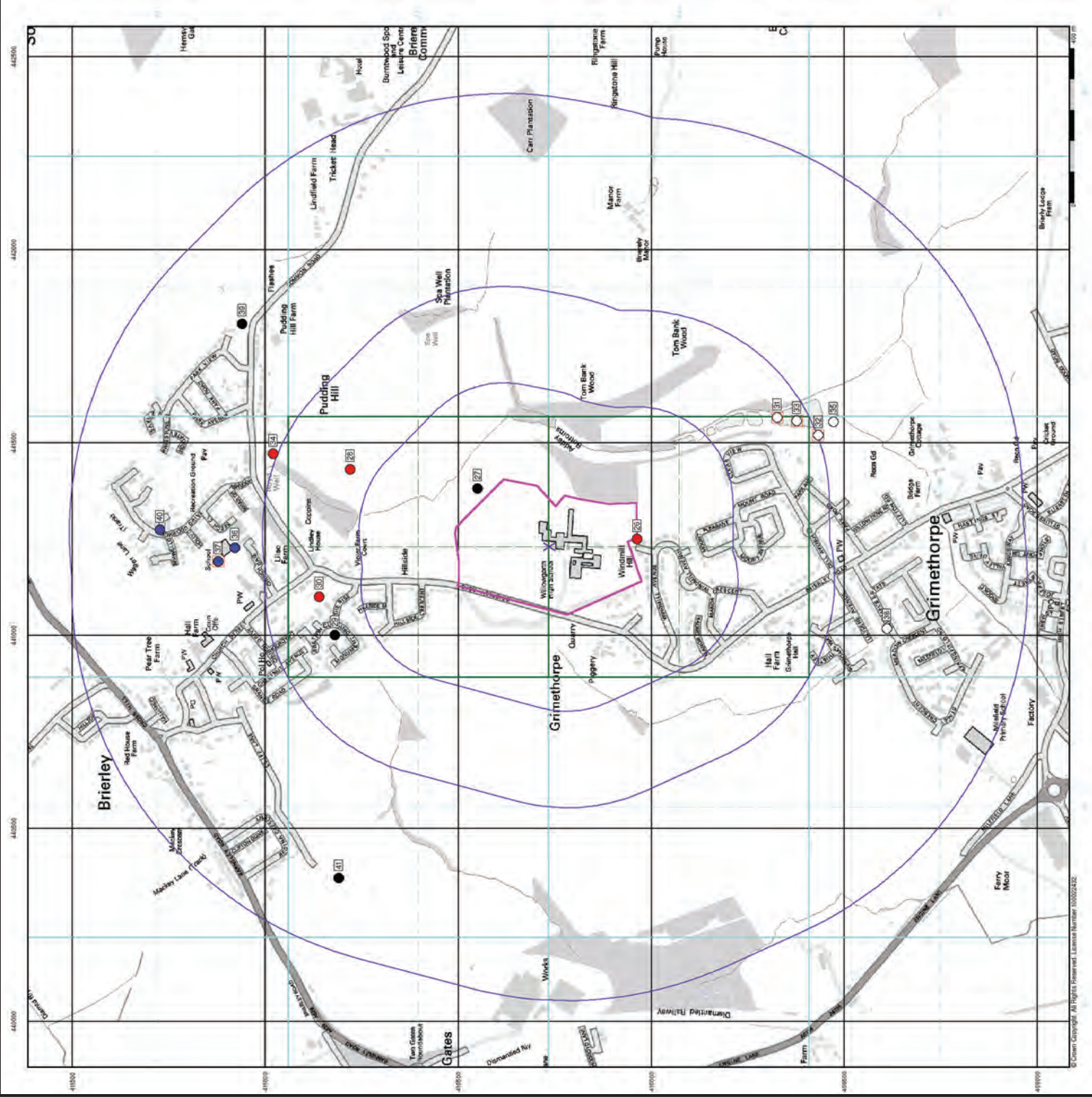


Order Details

Order Number: 34193696_1_1
 Customer Ref: 33613/AS/KLGM/JY
 National Grid Reference: 441230, 410260
 Slice: A
 Site Area (Ha): 12.23
 Search Buffer (m): 1000

Site Details

Willowgarth High School, Brierley Road, Grimethorpe, BARNESLEY, South Yorkshire, S72 7AJ



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Groundwater Vulnerability

General
 Specified Site Specified Buffer(s) Bearing Reference Point
 Slice Map ID

Agency and Hydrological

Geological Classes

Major Aquifer (Highly Permeable)

Minor Aquifer (Variably Permeable)

Non Aquifer (Negligibly Permeable)

Water or Sea

Drift Deposit

Soil Classes

High (H) 1, 2, 3, U

Intermediate (I) 1, 2

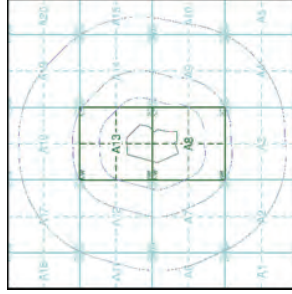
Low

High (H) 1, 2, 3, U

Intermediate (I) 1, 2

Low

Site Sensitivity Context Map - Slice A



Order Details

Order Number: 34193696 1.1
 Customer Ref: 33613/AS/K/G/M/Y
 National Grid Reference: 441230, 410260
 Slice: A
 Site Area (Ha): 12.23
 Search Buffer (m): 1000

Site Details

Willowgarth High School, Brierley Road, Grimethorpe, BARNSLLEY, South Yorkshire, S72 7AJ



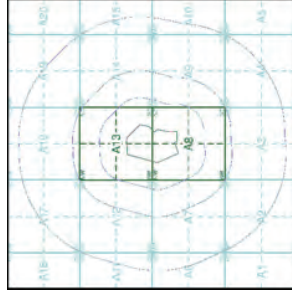
Bedrock Aquifer Designation

- General**
- Specified Site
 - Specified Buffer(s)
 - Map ID
 - Bearing Reference Point
 - Slice

Agency and Hydrological

- Geological Classes**
- Principal Aquifer
 - Secondary A Aquifer
 - Secondary B Aquifer
 - Secondary Undifferentiated
 - Unproductive Strata
 - Unknown

Site Sensitivity Context Map - Slice A

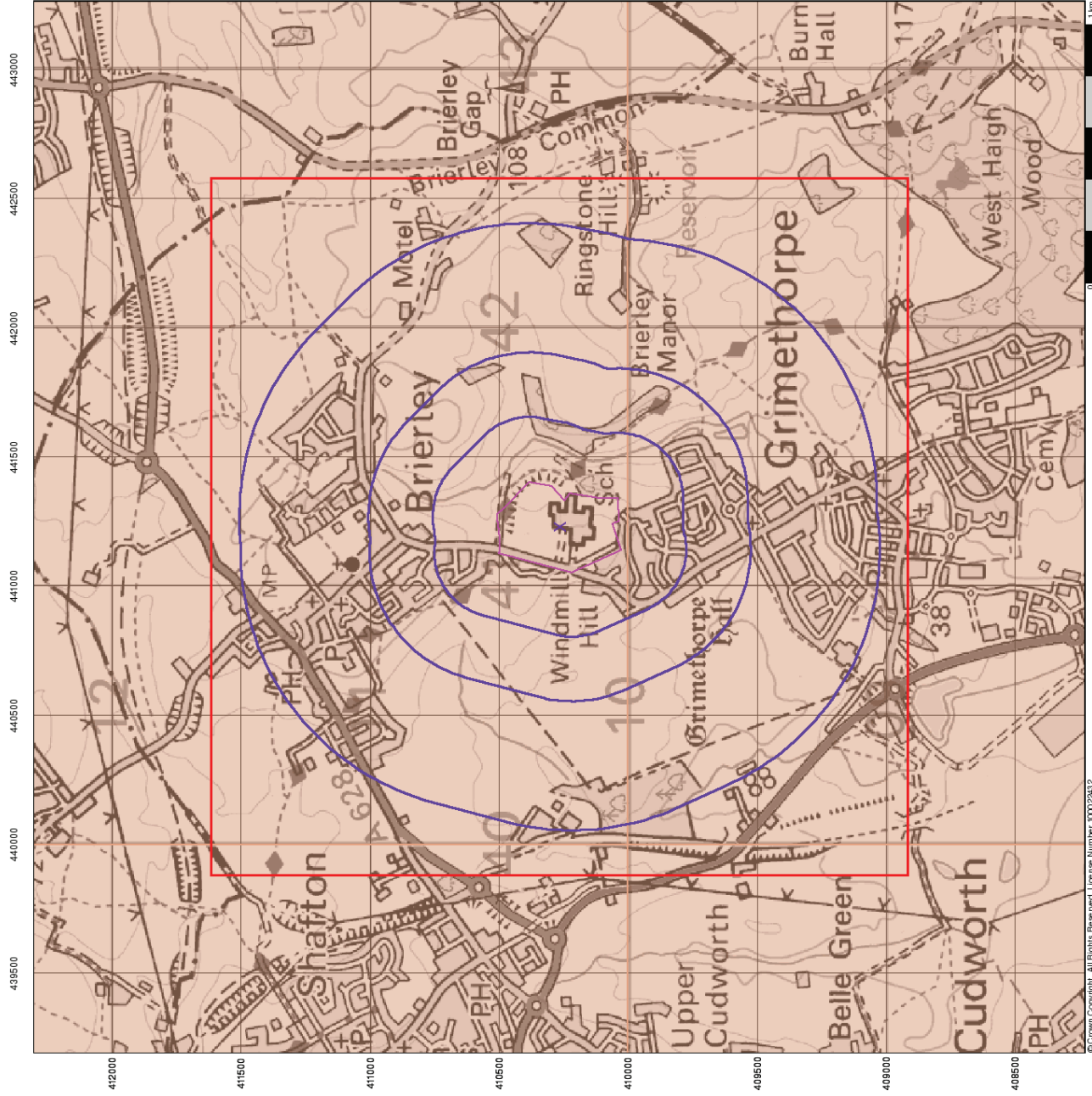


Order Details

Order Number: 34193696 1.1
 Customer Ref: 33613/AS/K/GM/JY
 National Grid Reference: 441230, 410260
 Slice: A
 Site Area (Ha): 12.23
 Search Buffer (m): 1000

Site Details

Willowgarth High School, Brierley Road, Grimethorpe, BARNSLLEY, South Yorkshire, S72 7AJ



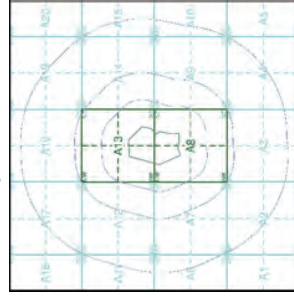
Superficial Aquifer Designation

- General**
- Specified Site
 - Specified Buffer(s)
 - Map ID
 - Bearing Reference Point

Agency and Hydrological

- Geological Classes**
- Principal Aquifer
 - Secondary A Aquifer
 - Secondary B Aquifer
 - Secondary Undifferentiated
 - Unproductive Strata
 - Unknown

Site Sensitivity Context Map - Slice A



Order Details

Order Number: 34193696 1.1.1
 Customer Ref: 33613/AS/K/GM/JY
 National Grid Reference: 441230, 410260
 Slice: A
 Site Area (Ha): 12.23
 Search Buffer (m): 1000

Site Details

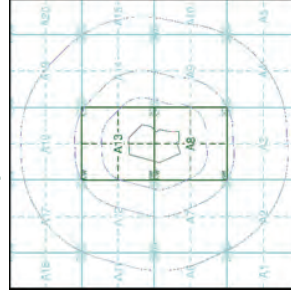
Willowgarth High School, Brierley Road, Grimethorpe, BARNESLEY, South Yorkshire, S72 7AJ



Source Protection Zones

- General**
- Specified Site
 - Specified Buffer(s)
 - Bearing Reference Point
 - Slice
 - Map ID
- Agency and Hydrological**
- Source Protection Zone I
 - Source Protection Zone II
 - Source Protection Zone III
 - Zone of Special Interest
 - Source Protection Zone Borehole

Site Sensitivity Context Map - Slice A

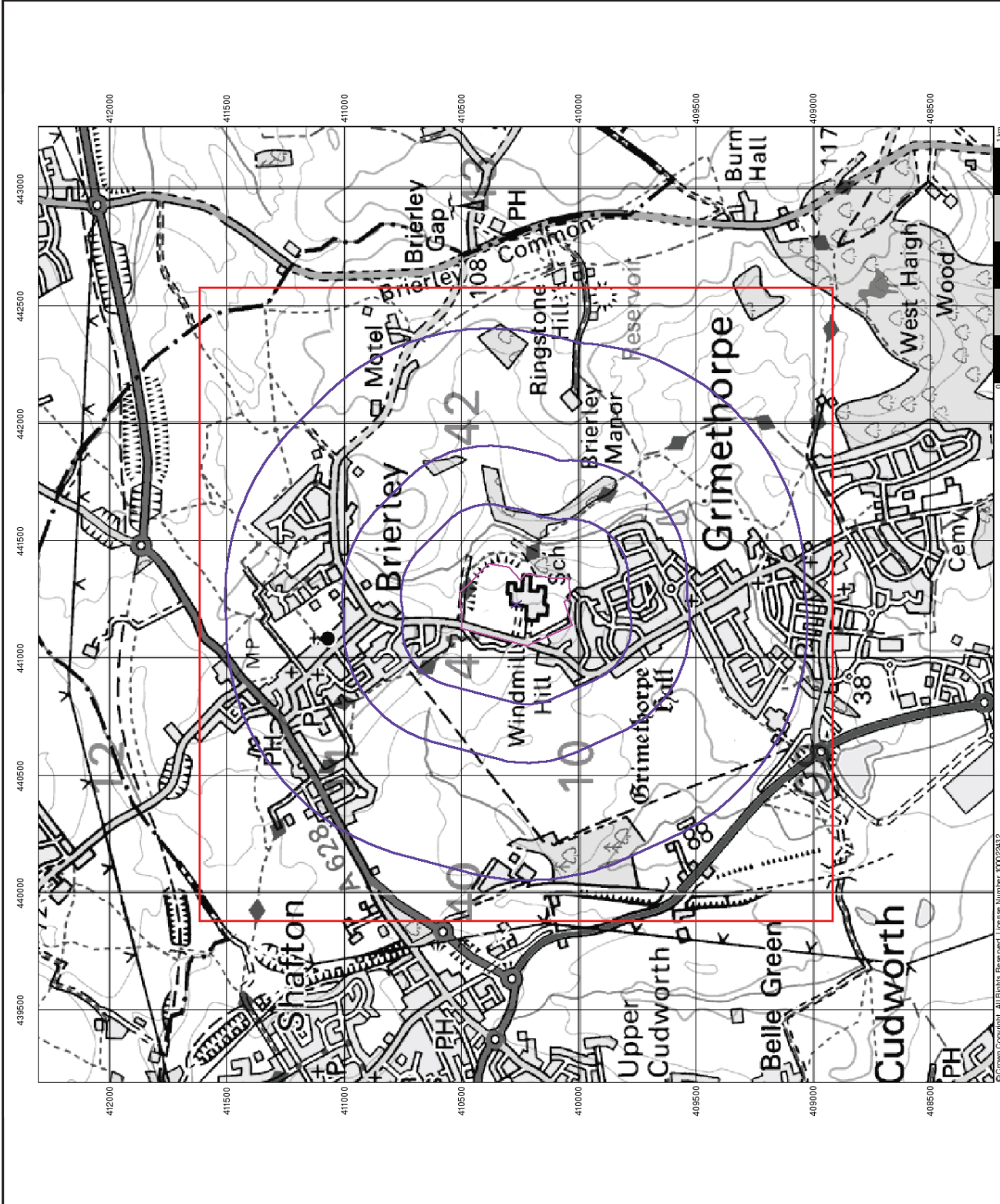


Order Details

Order Number: 34193696 1.1
 Customer Ref: 33613/AS/K/GM/JY
 National Grid Reference: 441230, 410260
 Slice: A
 Site Area (Ha): 12.23
 Search Buffer (m): 1000

Site Details

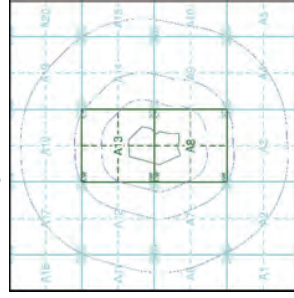
Willowgarth High School, Brierley Road, Grimethorpe, BARNSLLEY, South Yorkshire, S72 7AJ



Sensitive Land Uses

- General**
- Specified Site
 - Specified Buffer(s)
 - Map ID
 - Bearing Reference Point
- Sensitive Land Uses**
- Area of Adopted Green Belt
 - Area of Unadopted Green Belt
 - Area of Outstanding Natural Beauty
 - Environmentally Sensitive Area
 - Forest Park
 - Local Nature Reserve
 - Marine Nature Reserve
 - National Nature Reserve
 - National Park
 - Nitrate Sensitive Area
 - Nitrate Vulnerable Zone
 - Ramsar Site
 - Site of Special Scientific Interest
 - Special Area of Conservation
 - Special Protection Area

Site Sensitivity Context Map - Slice A

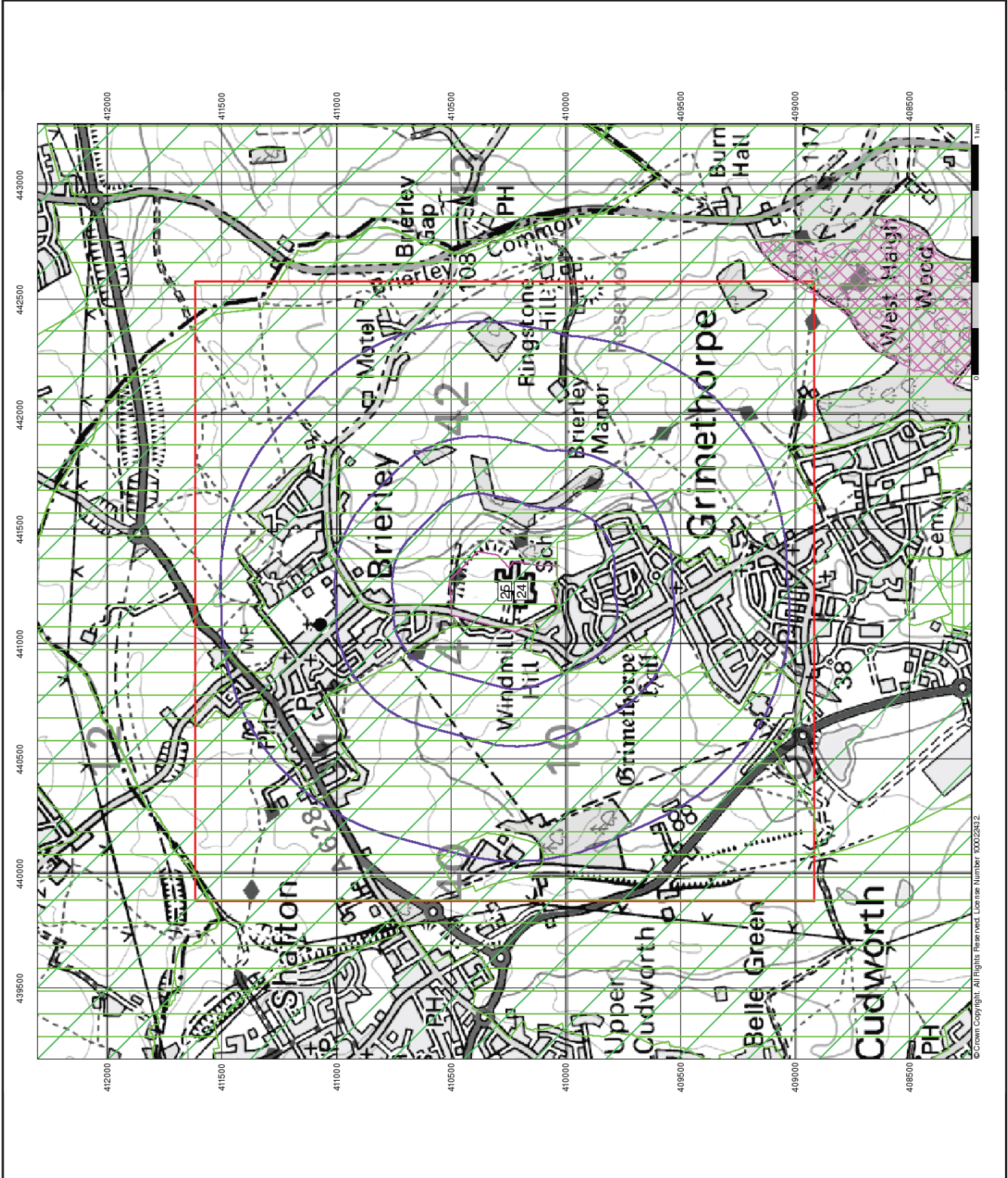


Order Details

Order Number: 34193696 1.1
 Customer Ref: 33613/AS/K/GM/Y
 National Grid Reference: 441230, 410260
 Slice: A
 Site Area (Ha): 12.23
 Search Buffer (m): 1000

Site Details

Willowgarth High School, Brierley Road, Grimethorpe, BARNSLY, South Yorkshire, S72 7AJ



Envirocheck[®] Report:

BGS Boreholes Datasheet

Order Details:

Order Number:

34193696_1_1

Customer Reference:

33613/AS/KLG/MJY

National Grid Reference:

441230, 410260

Slice:

A

Site Area (Ha):

12.23

Borehole Search Buffer (m):

1000

Site Details:

Willowgarth High School, Brierley Road

Grimethorpe

BARNSLEY

South Yorkshire

S72 7AJ

Client Details:

Miss A Seymour

Eastwood & Partners Ltd

St Andrews House

23 Kingfield Road

Sheffield

S11 9AS

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m
BGS Boreholes	pg 1	None	2	8	15

Introduction

The Environment Act 1995 has made site sensitivity a key issue, as the legislation pays as much attention to the pathways by which contamination could spread, and to the vulnerable targets of contamination, as it does the potential sources of contamination.

For this reason, Landmark's Site Sensitivity maps and Datasheet(s) place great emphasis on statutory data provided by the Environment Agency and the Scottish Environment Protection Agency; it also incorporates data from Natural England (and the Scottish and Welsh equivalents) and Local Authorities; and highlights hydrogeological features required by environmental and geotechnical consultants. It does not include any information concerning past uses of land. The datasheet is produced by querying the Landmark database to a distance defined by the client from a site boundary provided by the client.

In the attached datasheet the National Grid References (NGRs) are rounded to the nearest 10m in accordance with Landmark's agreements with a number of Data Suppliers.

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A copy of the BGS Borehole Ordering Form is available to download from the Support section of www.envirocheck.co.uk.

Report Version v47.0

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
26	BGS Boreholes BGS Reference: Se41sw23 Drilled Length (m): 79.71 Borehole Name: Grimethorpe Colliery 1	A8NE (S)	3	2	441249 410037
27	BGS Boreholes BGS Reference: Se41sw53 Drilled Length (m): Not Supplied Borehole Name: Grimethorpe Colliery Two Gate Surface Bh	A13SE (NE)	32	2	441380 410450
28	BGS Boreholes BGS Reference: Se41sw26 Drilled Length (m): 83.21 Borehole Name: Grimethorpe Colliery 4	A13NE (N)	314	2	441430 410780
29	BGS Boreholes BGS Reference: Se41sw12 Drilled Length (m): Not Supplied Borehole Name: Hodroyd. Colly.	A13NW (N)	344	2	441000 410820
30	BGS Boreholes BGS Reference: Se41sw143 Drilled Length (m): 205.59 Borehole Name: Hodroyd Colliery	A13NW (N)	360	2	441100 410860
31	BGS Boreholes BGS Reference: Se40nw92/H Drilled Length (m): Not Supplied Borehole Name: The Dell Grimethorpe Bh8	A8SE (SE)	426	2	441564 409674
31	BGS Boreholes BGS Reference: Se40nw92/F Drilled Length (m): Not Supplied Borehole Name: The Dell Grimethorpe Bh6	A8SE (SE)	465	2	441558 409626
32	BGS Boreholes BGS Reference: Se40nw92/G Drilled Length (m): Not Supplied Borehole Name: The Dell Grimethorpe Bh7	A8SE (SE)	462	2	441523 409613
32	BGS Boreholes BGS Reference: Se40nw92/A Drilled Length (m): Not Supplied Borehole Name: The Dell Grimethorpe Bh1	A3NE (S)	502	2	441518 409568
32	BGS Boreholes BGS Reference: Se40nw92/E Drilled Length (m): Not Supplied Borehole Name: The Dell Grimethorpe Bh5	A3NE (S)	504	2	441518 409566
32	BGS Boreholes BGS Reference: Se40nw92/D Drilled Length (m): Not Supplied Borehole Name: The Dell Grimethorpe Bh4	A3NE (S)	547	2	441527 409523
33	BGS Boreholes BGS Reference: Se40nw92/I Drilled Length (m): Not Supplied Borehole Name: The Dell Grimethorpe Bh9	A8SE (SE)	466	2	441555 409623
33	BGS Boreholes BGS Reference: Se40nw92/B Drilled Length (m): Not Supplied Borehole Name: The Dell Grimethorpe Bh2	A9SW (SE)	487	2	441587 409617
34	BGS Boreholes BGS Reference: Se41sw24 Drilled Length (m): 78 Borehole Name: Grimethorpe Colliery 2	A18SE (N)	512	2	441470 410980
35	BGS Boreholes BGS Reference: Se40nw92/C Drilled Length (m): Not Supplied Borehole Name: The Dell Grimethorpe Bh3	A3NE (SE)	552	2	441553 409528
36	BGS Boreholes BGS Reference: Se41sw93 Drilled Length (m): 3 Borehole Name: Brierley C Of E School 6	A18SW (N)	574	2	441227 411079

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
37	BGS Boreholes BGS Reference: Se41sw91 Drilled Length (m): 3 Borehole Name: Brierleyc Of E School 4	A18SW (N)	576	2	441176 411076
37	BGS Boreholes BGS Reference: Se41sw92 Drilled Length (m): 3 Borehole Name: Brierley C Of E School 5	A18SE (N)	611	2	441240 411117
37	BGS Boreholes BGS Reference: Se41sw90 Drilled Length (m): 3 Borehole Name: Brierley C Of E Schooll 3	A18SW (N)	620	2	441191 411122
37	BGS Boreholes BGS Reference: Se41sw88 Drilled Length (m): 3 Borehole Name: Brierley C Of E Sch 1	A18SW (N)	623	2	441142 411124
37	BGS Boreholes BGS Reference: Se41sw89 Drilled Length (m): 3 Borehole Name: Brierley C Of E Sch 2	A18SW (N)	655	2	441201 411159
38	BGS Boreholes BGS Reference: Se40nw176 Drilled Length (m): Not Supplied Borehole Name: Grimethorpe Colliery	A3NW (S)	648	2	441017 409390
39	BGS Boreholes BGS Reference: Se41sw67 Drilled Length (m): Not Supplied Borehole Name: Pillar Section Newhill Seam Ment C50'S Develop	A19SW (NE)	766	2	441807 411060
40	BGS Boreholes BGS Reference: Se41sw94 Drilled Length (m): 3 Borehole Name: Brierley C Of E School 7	A18SE (N)	766	2	441273 411273
41	BGS Boreholes BGS Reference: Se41sw61 Drilled Length (m): Not Supplied Borehole Name: Grimethorpe Colly. Cliff Lane Surface Bh	A12NW (NW)	820	2	440370 410810

BGS Boreholes	Version	Update Cycle
BGS Boreholes British Geological Survey - National Geoscience Information Service	February 2011	Quarterly

Contact Details	Contact Logo
<p>2 British Geological Survey - Enquiry Service</p> <p>British Geological Survey, Kingsley Dunham Centre, Keyworth, Nottingham, Nottinghamshire, NG12 5GG</p> <p>Telephone: 0115 936 3143 Fax: 0115 936 3276 Email: enquiries@bgs.ac.uk Website: www.bgs.ac.uk</p>	 <p>British Geological Survey NATURAL ENVIRONMENT RESEARCH COUNCIL</p>
<p>- Landmark Information Group Limited</p> <p>The Smith Centre, Henley On Thames, Oxfordshire, RG9 6AB</p> <p>Telephone: 0844 844 9952 Fax: 0844 844 9951 Email: customerservices@landmarkinfo.co.uk Website: www.landmarkinfo.co.uk</p>	

Index Map

For ease of identification, your site and buffer have been split into Slices, Segments and Quadrants. These are illustrated on the Index Map opposite and explained further below.

Slice

Each slice represents a 1:10,000 plot area (2.7km x 2.7km) for your site and buffer. A large site and buffer may be made up of several slices (represented by a red outline) that are referenced by letters of the alphabet, starting from the bottom left corner of the slice "grid". This grid does not relate to National Grid lines but is designed to give best fit over the site and buffer.

Segment

A segment represents a 1:2,500 plot area. Segments that have plot files associated with them are shown in dark green, others in light blue. These are numbered from the bottom left hand corner within each slice.

Quadrant

A quadrant is a quarter of a segment. These are labelled as NW, NE, SW, SE and are referenced in the datasheet to allow features to be quickly located on plots. Therefore a feature that has a quadrant reference of A7NW will be in Slice A, Segment 7 and the NW Quadrant.

A selection of organisations who provide data within this report



Envirocheck reports are compiled from 136 different sources of data.

Client Details

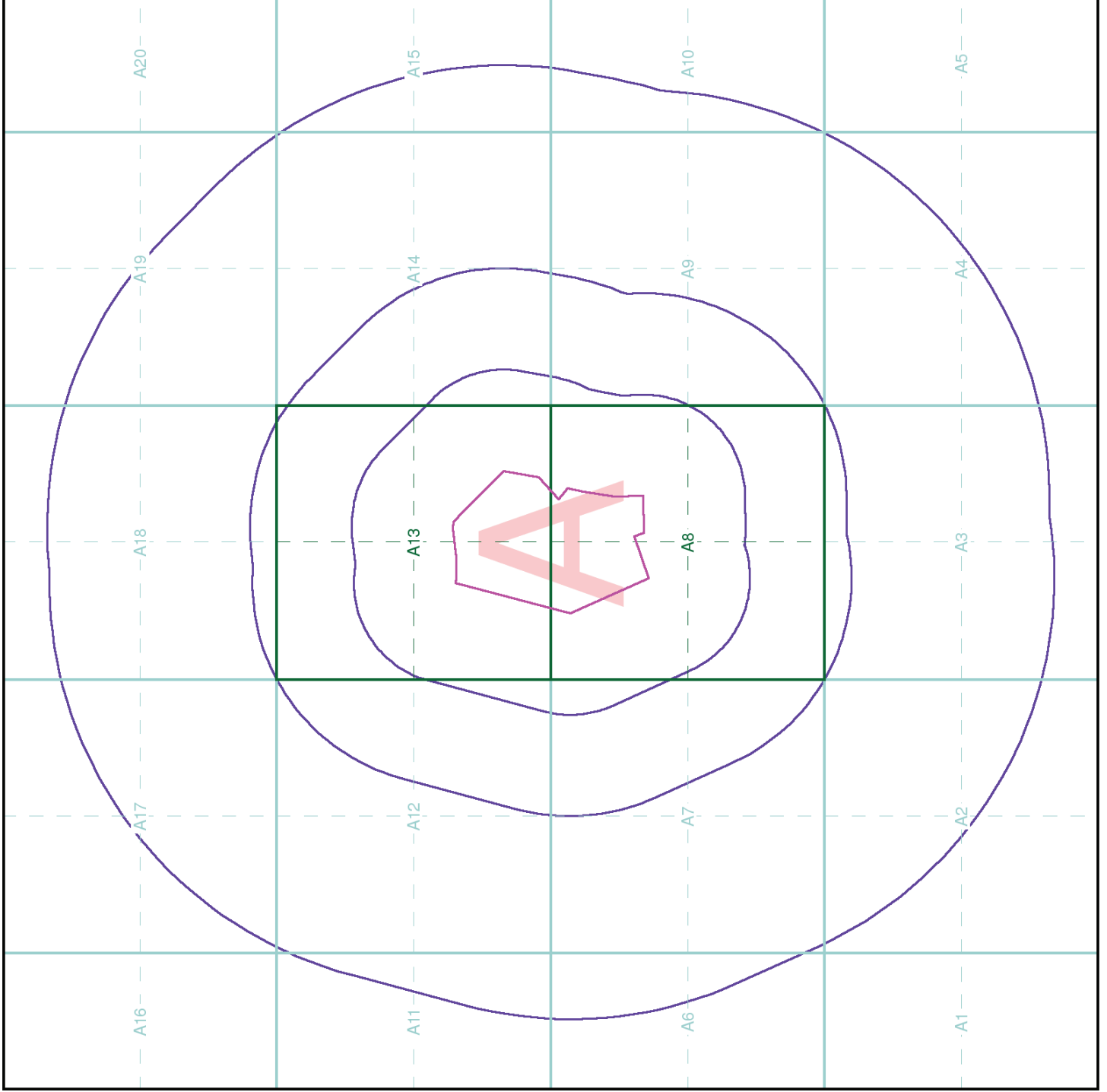
Miss A Seymour, Eastwood & Partners Ltd, St Andrews House, 23 Kingfield Road, Sheffield, S11 9AS

Order Details

Order Number: 34193696_1_1
 Customer Ref: 33613/AS/KLGM/JY
 National Grid Reference: 441230, 410270
 Site Area (Ha): 12.23
 Search Buffer (m): 1000

Site Details

Willowgarth High School, Brierley Road, Grimethorpe, BARNESLEY, South Yorkshire, S72 7AJ



Issued by:

The Coal Authority, Mining Reports Office, 200 Lichfield Lane, Berry Hill, Mansfield, Nottinghamshire NG18 4RG
 ON-Line Service: www.groundstability.com - Phone: 0845 762 6848 - DX 716176 MANSFIELD 5

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Person dealing with this matter: **Darren Moody**
 Our reference: **00016969-11**
 Your reference: 34193696
 Electronic Ref: EME_00015602550003_005
 RRUID: 005.00015602550003
 Date of your enquiry: **16 March 2011**
 Date we received your enquiry: **16 March 2011**
 Date of issue: **17 March 2011**

This report is for the property described in the address below and the attached plan.

Non-Residential Coal and Brine Report

Site At, Willowgarth High School, Grimethorpe, Barnsley, South Yorkshire

This report is based on and limited to the records held by, the Coal Authority, and the Cheshire Brine Subsidence Compensation Board's records, at the time we answer the search.

Coal mining	Yes
Brine Compensation District	No

Information from the Coal Authority

Underground Coal Mining

Past

The property is in the likely zone of influence from workings in 5 seams of coal at 160m to 890m depth, and last worked in 1990.

Any ground movement from these coal workings should have stopped by now.

In addition the property is in an area where the Coal Authority believe there is coal at or close to the surface. This coal may have been worked at some time in the past.

Present

The property is not in the likely zone of influence of any present underground coal workings.

Future

The property is not in an area for which the Coal Authority is determining whether to grant a licence to remove coal using underground methods.

The property is not in an area for which a licence has been granted to remove coal using underground methods.

The property is not in an area that is likely to be affected at the surface from any planned future workings.

However reserves of coal exist in the local area which could be worked at some time in the future.

No notice of the risk of the land being affected by subsidence has been given under section 46 of the Coal Mining Subsidence Act 1991.

Mine entries

There are no known coal mine entries within, or within 20 metres of, the boundary of the property.

Records may be incomplete. Consequently, there may exist in the local area mine entries of which the Coal Authority has no knowledge.

Coal-mining geology

The Authority is not aware of any evidence of damage arising due to geological faults or other lines of weakness that have been affected by coal mining.

Opencast Coal Mining

Past

The property is not within the boundary of an opencast site from which coal has been removed by opencast methods.

Present

The property does not lie within 200 metres of the boundary of an opencast site from which coal is being removed by opencast methods.

Future

The property is not within 800 metres of the boundary of an opencast site for which the Coal Authority is determining whether to grant a licence to remove coal by opencast methods.

The property is not within 800 metres of the boundary of an opencast site for which a licence to remove coal by opencast methods has been granted.

Coal-mining subsidence

The Coal Authority has not received a damage notice or claim for the property since 1 January 1984. There is no current Stop Notice delaying the start of remedial works or repairs to the property.

The Authority is not aware of any request having been made to carry out preventive works before coal is worked under section 33 of the Coal Mining Subsidence Act 1991.

If further subsidence damage claims information is required in addition to that provided in this report, the Authority need to manually search their records. Such further enquiries should be made under separate cover to The Coal Authority, Claims History Service, at the above address, enclosing the relevant fee of £110.00 plus VAT, total £132.00, or by telephone for payment by credit or debit card or for account customers. Alternatively, it may be that such information can be obtained by directing further enquiries to the present owner.

Mine gas

There is no record of a mine gas emission requiring action by the Coal Authority within the boundary of the property.

Hazards related to coal mining

The property has not been subject to remedial works, by or on behalf of the Authority, under its Emergency Surface Hazard Call Out procedures.

Withdrawal of Support

The property is in an area for which notices of entitlement to withdraw support were published in 1983,1987.

The property is not in an area for which a notice has been given under section 41 of the Coal Industry Act 1994, revoking the entitlement to withdraw support.

Working Facilities Orders

The property is not in an area for which an Order has been made under the provisions of the Mines (Working Facilities and Support) Acts 1923 and 1966 or any statutory modification or amendment thereof.

Payments to Owners of Former Copyhold Land

The property is not in an area for which a relevant notice has been published under the Coal Industry Act 1975/Coal Industry Act 1994.

Comments on Coal Authority information

In view of the mining circumstances a prudent developer would seek appropriate technical advice before any works are undertaken.

Therefore if development proposals are being considered, technical advice relating to both the investigation of coal and former coal mines and their treatment should be obtained before beginning work on site. All proposals should apply good engineering practice developed for mining areas. No development should be undertaken that intersects, disturbs or interferes with any coal or mines of coal without the permission of the Coal Authority. Developers should be aware that the investigation of coal seams/ former mines of coal may have the potential to generate and/or displace underground gases and these risks both under and adjacent to the development should be fully considered in developing any proposals. The need for effective measures to prevent gases entering into public properties either during investigation or after development also needs to be assessed and properly addressed. This is necessary due to the public safety implications of any development in these circumstances.

Information from the Cheshire Brine Subsidence Compensation Board

The property lies outside the Cheshire Brine Compensation District.

Additional remarks

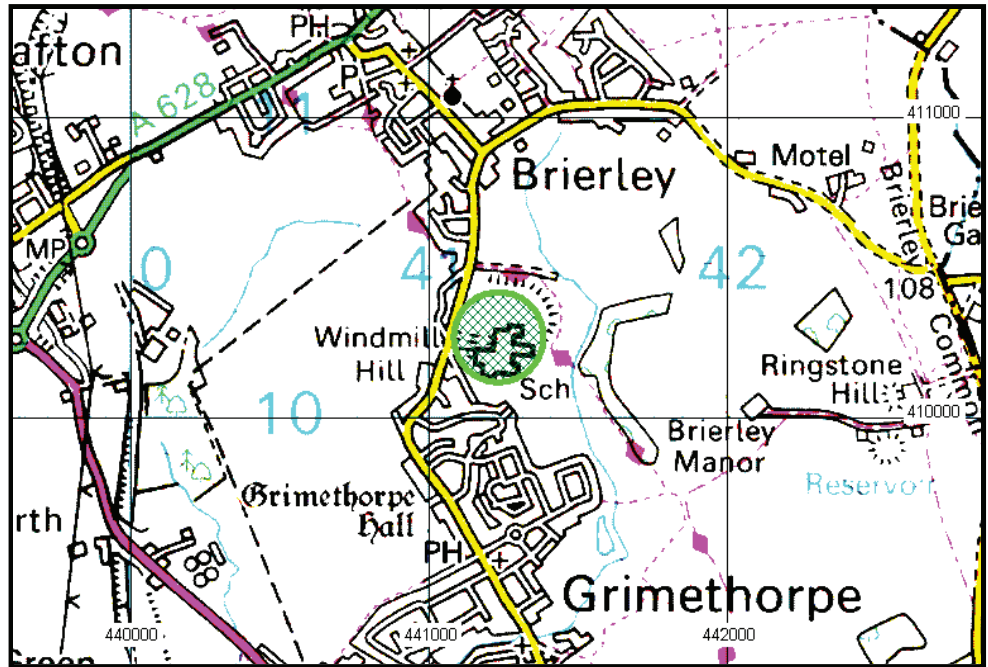
This report is prepared in accordance with the Law Society's Guidance Notes 2006, the User Guide 2006 and the Coal Authority and Cheshire Brine Board's Terms and Conditions 2006. The report is compliant with Home Information Pack requirements.

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Location map



Approximate position of property



Enquiry boundary

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Key

Approximate position of enquiry boundary shown

